

Scout Report sent out



Noted in the NID File



Location map pinned



Approval or Disapproval Letter



Date Completed, P. & A. or  
operations suspended



Pin changed on location map



A & P and Record of A & P



AMC



C



Well Log Filed



~~SHELL OIL COMPANY~~ - RATHERFORD 31 - 24

RATHER  
- FORD

PHILLIPS OIL ADT #3-132 15862

CO. Sec. 24, T. 41 S, R. 23 E, San Juan County

24-31

PC

WPC  
85/114

MICROFICHE

FILE NOTATIONS

Entered in NID File	<input checked="" type="checkbox"/>	Checked by Chief	<input checked="" type="checkbox"/>
Entered on S-1 Sheet	<input checked="" type="checkbox"/>	Copy NID to Field Office	<input checked="" type="checkbox"/>
Location Map Placed	<input checked="" type="checkbox"/>	Approval Letter	<input checked="" type="checkbox"/>
Card Indexed	<input checked="" type="checkbox"/>	Disapproval Letter	<input type="checkbox"/>
IWR for State or Fed Land	<input type="checkbox"/>		

COMPLETION DATES

Date Well Completed	6-30-58	Location Inspected	<input type="checkbox"/>
GW <input checked="" type="checkbox"/> VV <input type="checkbox"/> TA <input type="checkbox"/>		Bond returned	<input type="checkbox"/>
GW <input type="checkbox"/> CS <input type="checkbox"/> TA <input type="checkbox"/>		State of Fee Land	<input type="checkbox"/>

LOGS FILED

Driller's Log 7-28-58

Electric Logs (No. ) 3

E ☐ I ☐ E-I ☒ GR ☐ GR-N ☒ Micro ☒

Lat ☐ Mi-L ☐ Sonic ☐ Others ☐

297 MCF } Orig. Rept.  
GOR 410

## UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS:

(Approved for Water July 5, 1986)

(Have File) Well Log &amp; 3 Electric Logs

DATE FILED 4-30-58

NAV-14-20-

LAND: FEE &amp; PATENTED STATE LEASE NO.

PUBLIC LEASE NO.

INDIAN 603-247

DRILLING APPROVED: 4-30-58

SP. ED IN: 5-6-58

COMPLETED: 6-30-58

INITIAL PRODUCTION: 699 BOPD 46/64 ch, 297 mcf/D 29 BWPD

GRAVITY A. P. I. 41'

GOR: 4/0:1

PRODUCING ZONES: 5395-5537

020974

TC DEPTH: 5570

WELL ELEVATION: 4664 GR 4670 KB

DATE ABANDONED:

FIELD OR DISTRICT:

~~Rutherford~~ Aneth

COUNTY: San Juan

WELL NO. RATHERFORD 31-24

UIC Conversion  
(Ratherford 24-31) Apt 43-037-15822LOCATION: 560 FT. FROM (N) ☒ LINE,

1830

FT. FROM (E) ☒ LINE.NW ☒ QUARTER - QUARTER SEC. 24

2

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

## UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS:

DATE FILED 4-30-58 Nav-14-20-

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. INDIAN 603-247

DRI'ING APPROVED: 4-30-58 new tract 2

SP. ED IN:

COMPLETED:

INITIAL PRODUCTION: 677

GRAVITY A. P. I. 4

GOR:

PRODUCING ZONES:

TC DEPTH: 5440 020974

WELL ELEVATION:

DATE ABANDONED:

FIELD OR DISTRICT: ~~Ratherford~~ Aneth

COUNTY: San Juan

WELL NO. RATHERFORD 31-24 (Ratherford 24-31) AD 43-632-18822

LOCATION: 560 FT. FROM (N) ☒ LINE, 1830 FT. FROM (E) ☒ LINE. N<sup>1</sup>/<sub>2</sub> NE QUARTER - QUARTER SEC. 24

TWP. RGE. SEC. OPERATOR

TWP.

RGE.

SEC.

OPERATOR

41 S

23 E

24

PHILLIPS

SHELL OIL COMPANY

58

**GEOLOGIC TOPS:**

VISIBLE CROZET VIRGINIA #78846-8

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

		<b>X</b>	
	<b>24</b>		

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal LandsLease No. 14-20-603-247

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<b>X</b>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 28, 19 98

North Desert Creek  
Well No. 11-24 is located 560 ft. from  $\begin{Bmatrix} N \\ X \end{Bmatrix}$  line and 1890 ft. from  $\begin{Bmatrix} E \\ X \end{Bmatrix}$  line of sec. 24

NE 24 (1/4 Sec. and Sec. No.)      41S (Twp.)      23E (Range)      81W (Meridian)

Rutherford (Field)      San Juan (County or Subdivision)      Utah (State or Territory)

The elevation ~~at the surface from the benchmark~~ is 4664 ft. (Approx. Ground)

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

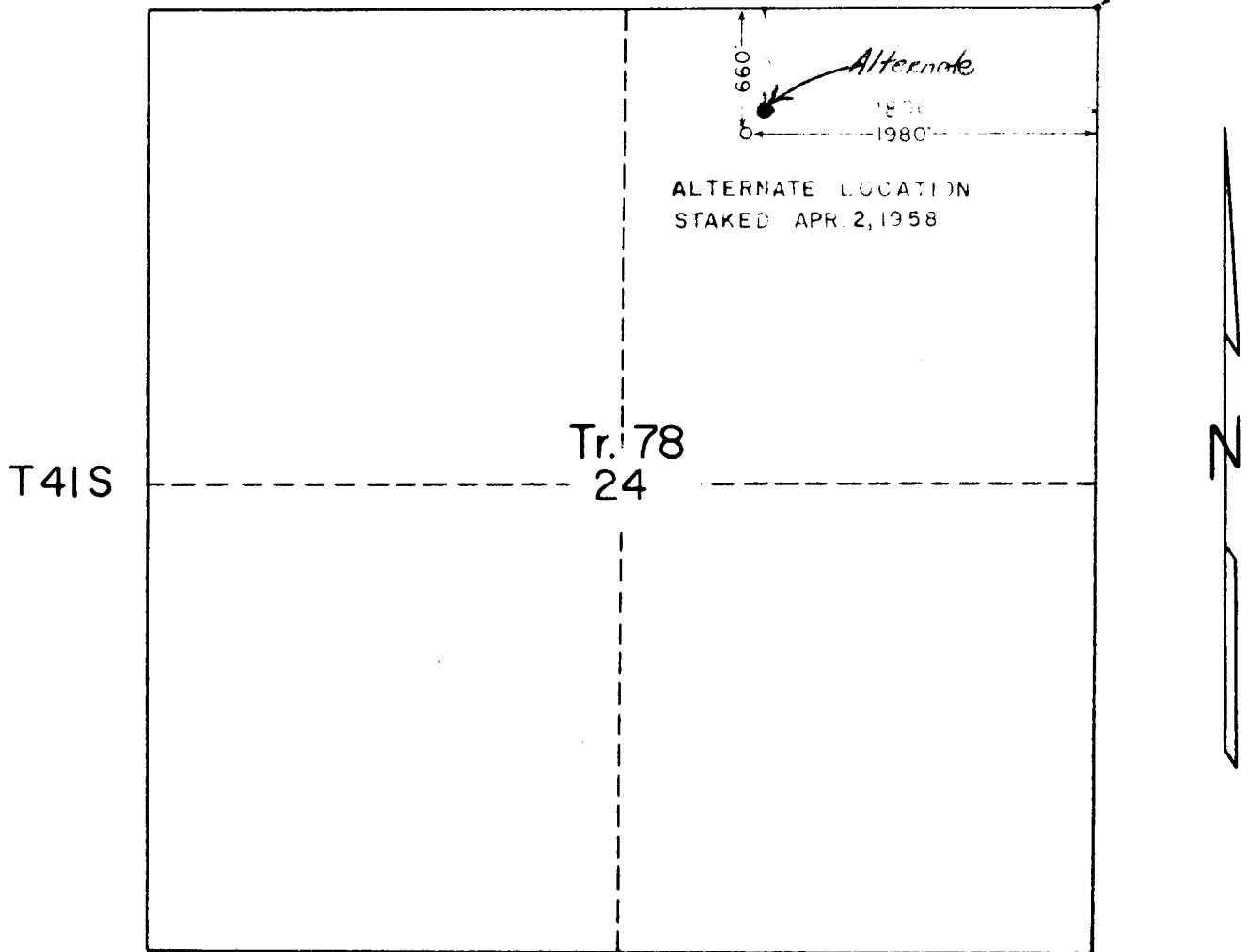
1. Drill 12-1/4" hole 1400' ±.
2. Run and cement 8-5/8" casing at 1400' ± with 700 sacks treated cement.
3. Drill 7-7/8" hole 5420' ±. Run logs.
4. Wire line core 4 3/4" hole to 5580' ±. Run logs.
5. Cement 5-1/2" casing at 5418' ± with 200 sacks construction cement.
6. Clean out with 4-3/4" bit to bottom.
7. Run and set formation packer as directed.
8. Mud acid wash with 500 gal. Mud acid.
9. Acidise in two st gas with 2000 gal. regular and 4000 gal. retarded acid.
10. Swab well in and establish production rate.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil CompanyAddress 101 S. Behrend St.,  
Farmington, New MexicoOriginal signed by  
B. W. SHEPARDBy B. W. Shepard  
Title Exploitation Engineer

R. 23 E. S.L.M.

Ed. 3" BC  
NE Cor. Sec 24



Reference Point Datum -

1" x 2" stake set 150' East, 140' North, 200' West and 200' South of location

1" x 2" flag set at location 660' south and 1980' west from the NE Cor. Sec. 24, T. 41 S., R. 23 E., S.L.M.

Elev. ungraded ground at Alternate location 4663.9

TBM Elev. 4636.08 "X" on sandstone 321' W. of original location

This is to certify that the above plat was plotted from field notes of a survey made under my supervision, and that the same is true and correct to the best of my knowledge and belief.

*Gerh Bular*  
Registered Land Surveyor  
Certificate No. 2158

DRAWN BY  
TRACED BY  
CHECKED BY

SHELL OIL COMPANY

DATE  
SCALE  
FILE NO. Z-

LOCATION OF NORTH DESERT CREEK 31-24  
SAN JUAN COUNTY, UTAH, TP. 78, SEC. 24, T. 41 S., R. 23 E., S.L.M.

May 1, 1958

Shell Oil Company  
101 South Behrend  
Farmington, New Mexico

Attention: B. W. Shepard, Exploitation Engineer

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Ratherford (North Desert Creek) 31 - 24, which is to be located 560 feet from the north line and 1830 feet from the east line of Section 24, Township 41 South, Range 23 East, S1E4M, San Juan County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well is not spudded in within said period.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT  
SECRETARY

CBF:cn

cc: Phil McGrath  
USGS, Farmington,  
New Mexico

10



**Navajo**

Indian Agency

(SUBMIT IN TRIPLICATE)

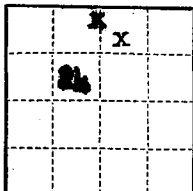
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**Tribal Lands**

Allottee

**14-20-603-247**

Lease No.



**SUNDRY NOTICES AND REPORTS ON WELLS**

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	X
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

**North Desert Creek**

**May 12**

**1958**

Well No. **11-24** is located **560** ft. from **N** line and **1830** ft. from **E** line of sec. **24**

**NE 24**

(1/4 Sec. and Sec. No.)

**43S**

(Twp.)

**23E**

(Range)

**SLM**

(Meridian)

**Rutherford**

(Field)

**San Juan**

(County or Subdivision)

**Utah**

(State or Territory)

The elevation of the derrick floor above sea level is **4600** ft. (Approx. Ground.)

**DETAILS OF WORK**

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

(Spudded 5-6-58)

**5-6, 9-58** Ran & cemented 8 5/8" 26# & 32#, J-55 casing at 1364' with 700 sacks treated cement. Good returns to surface. Flanged up and waited on cement. Tested BOP and casing with 700 PSI 15. min., OK.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Shell Oil Company**

Address **101 S. Behrend**

**Farmington, New Mexico**

Original signed by  
**B. W. SHEPARD**

By **B. W. Shepard**

Title **Exploration Engineer**

SHELL OIL COMPANY

North Desert Creek

WELL NO. 31-24

Batherford

## DRILLING REPORT

FOR PERIOD ENDING

5-29-5824

(SECTION OR LEASE)

THIS, R23E

(TOWNSHIP OR RANGHO)

(FIELD)

San Juan, Utah

(COUNTY)

DAY	DEPTHS		REMARKS
	FROM	TO	
5-6 to 5-10	0	1481	<p><u>Location:</u> 560' S and 1830' W of NE Corner, Section 24, T41S, R23E, SLEM, San Juan County, Utah</p> <p><u>Elevation:</u> DF 4669.6 GR 4660.2 KB 4670.8</p> <p>Spudded 10:30 A.M. 5-6-58. Cemented 13 3/8", 48# conductor pipe at 65' with 50 sacks cement. Ran and cemented (1354') 8 5/8" 32# and 38#, J-55 casing at 1364' with 500 sacks Pozzo mix followed by 200 sacks cement treated with 2% calcium chloride. Good returns to surface. Flanged up and waited on cement. Cemented around outside of casing with 10 sacks cement. Pressure tested casing and BOP with 800 psi, OK.</p>
5-11 to 5-16	1481	3718	<p><u>Drilled 2237'.</u> Washed out tool joint at 3583' leaving 18 drill collars and 16 stands of drill pipe in hole. Recovered with overshot.</p>

CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		

DRILL PIPE SIZES

W. A. Kennedy

SHELL OIL COMPANY

North Desert Creek

WELL NO. 31-24

Ratherford

## DRILLING REPORT

FOR PERIOD ENDING

5-29-58

24

(SECTION OR LEASE)

T41S, R23E

(TOWNSHIP OR RANCHO)

(FIELD)  
San Juan, Utah  
(COUNTY)

DAY	DEPTHS		REMARKS
	FROM	TO	
5-17 to 5-26	1481	5495	<u>Drilled 4014'.</u>
5-27	5495	5570	<u>Drilled 75'.</u> Ran Induction-Electrical Survey, Gamma Ray-Neutron Log and Micro log.
5-28 to 5-29	5570	TD	Ran and cemented (5558') 5 1/2", 14# J-55 casing at 5567' with 200 sacks, final pressure 1500 psi. Flanged up. Ran Neutron Log with collar locator. Perforated four 1/2" holes/ft 5395-5424, 5426-5430, 5437-5443, 5505-5518, 5520-5526 and 5529-5537.  Ran log rig 5:00 A.M. 5-29-58.  Checked BOP daily  Mud Summary wt 11.9-9.6 #/gal. vis 34-60 sec. wl 10-32 cc fc 2-3/32"  Contractor: Moran Bros. Inc. Drillers: T. M. Ash H. A. Sheppard
CONDITION AT BEGINNING OF PERIOD			
HOLE			CASING SIZE
SIZE	FROM	TO	DEPTH SET
12 1/4"	0	1364	8 5/8"
7 7/8"	1364	5570	5 1/2"
DRILL PIPE 4 1/2"			
SIZES			

W. A. Kennedy

SHELL OIL COMPANY

North Desert Creek

WELL NO. 31-24

Ratherford

(FIELD)

San Juan, Utah

(COUNTY)

## DRILLING REPORT

FOR PERIOD ENDING

6-30-58

24

(SECTION OR LEASE)

T41S, R23E

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
6-26	5570	TD	Ran tubing with packer to 5538'. Washed perforations with 500 gallons mud acid, vacuum in 20 minutes. Set packer at 5350'. Injected 2,000 gallons XFW acid, 4000 gallons Jel X-100 and 840 gallons Fix-a-frac, overflushed with 144 bbls. water. Maximum pressure 3600, minimum pressure 1200, Final pressure 2600 psi.
6-27			Unseated packer lower tubing to 5515, set packer at 5480', swabbed 41 bbls. water and 39 bbls. oil in 8 hours.
6-28			Shut in 12 hours, opened, flowed 12 bbls. oil and 5 bbls. water and died. Swabbed 4 hours, 32 bbls. oil and 7 bbls. water, fluid level 4300'. Swabbed 6 hours, 12 bbls. oil and no water, rate 48 B/D oil.
6-29			Pulled tubing and packer. Reran 193 joints 2 7/8" EUE tubing with bull plug to 5538', perforations 5504-5508. Swabbed 85 bbls. water and 1 bbl. oil in 5 hours.
CONDITION AT BEGINNING OF PERIOD			
HOLE			CASING SIZE
SIZE	FROM	TO	DEPTH SET
DRILL PIPE SIZES			

W. A. Kennedy

SHELL OIL COMPANY

North Desert Creek

WELL NO. 31-24Ratherford

(FIELD)

San Juan, Utah

(COUNTY)

## DRILLING REPORT

FOR PERIOD ENDING

6-30-5824

(SECTION OR LEASE)

T41S, R23E

(TOWNSHIP OR RANGHO)

DAY	DEPTHS		REMARKS																				
	FROM	TO																					
6-30			<p>Swabbed and flowed 28 bbls. water and 75 bbls. oil in 2 hours. Flowed to pits 2 hours. Tested 8 hours.</p> <p>INITIAL PRODUCTION  Flowing 726 B/D gross, 699 B/D clean, cut 3.7%, 297 MCF/D gas, GOR 410, 48/64" bean, TP 200, CP 580. Completed 6-30-58.</p>																				
<p>CONDITION AT BEGINNING OF PERIOD</p> <table border="1"> <thead> <tr> <th colspan="3">HOLE</th> <th>CASING SIZE</th> <th>DEPTH SET</th> </tr> <tr> <th>SIZE</th> <th>FROM</th> <th>TO</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>12 1/4"</td> <td>0</td> <td>1364</td> <td>8 5/8"</td> <td>1364'</td> </tr> <tr> <td>7 7/8"</td> <td>1364</td> <td>5570</td> <td>5 1/2"</td> <td>5567'</td> </tr> </tbody> </table> <p>5</p> <p>DRILL PIPE SIZES <u>4 1/2"</u></p>				HOLE			CASING SIZE	DEPTH SET	SIZE	FROM	TO			12 1/4"	0	1364	8 5/8"	1364'	7 7/8"	1364	5570	5 1/2"	5567'
HOLE			CASING SIZE	DEPTH SET																			
SIZE	FROM	TO																					
12 1/4"	0	1364	8 5/8"	1364'																			
7 7/8"	1364	5570	5 1/2"	5567'																			

W. A. Kennedy

SIGNED

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

		<b>8</b>	
	<b>24</b>		

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal Lands  
Lease No. 14-28-603-247

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	<b>X</b>
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	<b>Subsequent Report of well completion</b>	<b>X</b>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 3, 1958

**North Desert Creek**

Well No. 31-24 is located 560 ft. from N line and 1839 ft. from E line of sec. 24

NE 24 41S 23 E S1BM  
( $\frac{1}{4}$  Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Fatherford San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

**helly bashing**

The elevation of the ~~formation~~ above sea level is 4670.8 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

- 5-27,28-58 Cemented 5-1/2" 14# casing at 5567' with 200 sacks regular cement.
- 5-29-58 Perforated four 1/2" holes/ft; 5394-5424, 5426-30, 5437-43, 5505-18, 5520-26, 5529-37'. Released drilling rig.
- 6-26-58 Ran tubing with packer to 5538'. Washed formation with 500 gal. mud acid. Reset packer at 5350' and acidized with 2000 gal. regular and 4000 gal. retarded acid with 840 gal. fimsfrac.
- 6-27-58 Reset packer at 5480'. Swabbed 41 bbls. water and 39 bbls. oil in 8 hrs.
- 6-28-58 Swabbed 12 bbls. oil, no water in 6 hrs.
- 6-29-58 Pulled tubing and packer. Ran 2-7/8" tubing, bull plug 5538'. Perfs: 5504-08, seating nipple 5503'. Swabbed 85 bbls. water, 1 bbl. oil in 5 hrs.
- 6-30-58 Swabbed and flowed 28 bbls. water and 75 bbls. oil in 2 hrs. Flowed to pits 2 hrs.

(Over)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 101 S. Behrend Ave.

Farmington, N. M.

By Wm C Miller

for Title Division Exploitation Engineer

6-30-58 (Continued) Initial Production: Flowing (8 hr test) 726 B/D gross rate,  
699 B/D oil rate, 3.7 % cut, 297 MCF/D  
gas rate, GOR 410, 48/64" choke,  
TP 200, CP 580.

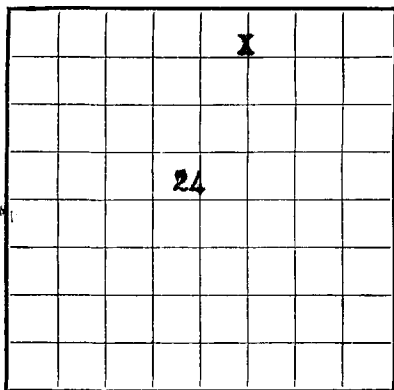
Completed 6-30-58

JUL 9 1958  
67MP

8961 87701

Budget Bureau No. 42-R355.4.  
Approval expires 12-31-60.U. S. LAND OFFICE Window Rock, Arz.SERIAL NUMBER 14-20-603-247

LEASE OR PERMIT TO PROSPECT \_\_\_\_\_



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company Shell Oil Company Address 101 South Behrend, Farmington, N. M.  
Lessor or Tract Tribal - North Desert Creek Field Rutherford State Utah  
Well No. 31-24 Sec. 24 T. 41S R. 23E Meridian SLBM County San Juan  
Location 560 ft. N of N Line and 1830 ft. E of E Line of Sec. 24 Elevation 4670.8 <sup>ft</sup>  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Original signed by  
B. W. SHEPARD

Date July 7, 1958Title Exploitation Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling May 6, 1958 Finished drilling May 27, 1958

## OIL OR GAS SANDS OR ZONES

(gross)

(Denote gas by G)

No. 1, from 5395 to 5537 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8 5/8"	32.38	8	-	1354'	Baker	--			Surface
5 1/2"	14	8	-	5558'	Baker	--	5395	5537	Production

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	1364'	500 Pozzo + 200	Displacement	-	-
5 1/2"	5567'		Displacement	-	-

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_

Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_



FOLD MARK	8 5/8"	1364'	500 Pozzo + 200	Displacement	-	-
	5 1/2"	5567'		Displacement	-	-

#### PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_

Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

#### SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

#### TOOLS USED

Rotary tools were used from \_\_\_\_\_ 0 \_\_\_\_\_ feet to \_\_\_\_\_ 5570 \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

#### DATES

\_\_\_\_\_ July 7 \_\_\_\_\_, 19\_\_ 58 \_\_\_\_\_ Put to producing \_\_\_\_\_ June 30 \_\_\_\_\_, 19\_\_ 58

The production for the first 24 hours was \_\_\_\_\_ 726 \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_ 96.3% was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ 3.7% water; and \_\_\_\_\_ % sediment. Gravity ~~XXX~~ °Bé. \_\_\_\_\_ Approx 41° API

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

#### EMPLOYEES Moran Drilling Company

\_\_\_\_\_ T. M. Ash \_\_\_\_\_, Driller \_\_\_\_\_, Driller

\_\_\_\_\_ H. A. Sheppard \_\_\_\_\_, Driller \_\_\_\_\_, Driller

#### FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
2106	2167	61	Shinarump
2167	2300	133	Moenkopi
2300	4378	2078	Cutler 1
4378	5367	989	Upper Hermosa
5367	----	----	Paradox

[OVER]

16-43094-4

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TR. DATE\*  
(Other instructio. on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-247

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

SW-1-4192

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

24-31

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

Sec. 24 T41S, R23E

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

P. O. Box 2920 Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

506's 1830' W of NE corner

Sec. 24

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

RKB 4671

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any  
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-  
nent to this work.)\*

See attached for details of job.

Production Before  
Production After

30 BOPD, 18 MCFGD 198 BWPB  
14 BOPD, 15 MCFGD 160 BWPB

18. I hereby certify that the foregoing is true and correct

SIGNED

F. C. Morgan

TITLE

Production Superintendent

DATE

May 6, 1974

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

3-USGS Farmington, NM  
2-Utah O&G CC - Salt Lake City  
1-Denver  
1-Superior - Cortez  
1-File

\*See Instructions on Reverse Side

# DAILY REPORT DETAILED

LEASE Ratherford Unit

WELL NO. 24-31

SHEET NO. 1

DATE  
NATURE OF WORK  
TOTAL  
DEPTH  
PERFORMED

1974  
March  
4  
RATHERFORD UNIT NO. 24-31 PTD 5554. FIRST REPORT PREP. TO DRILL CMT. 2/28/74 MI AND RU R AND R WELL SERVICE CO. UNIT 2/27/74 P U RODS TO BREAK 1" RODS AND PMP PARTED. COOH W/ RODS, PUMP BBL AND PLUNGER, PUMP PARTED AT LOWER EXTENSION. UNABLE TO UNSEAT PACKER /2 FT. EXT. AND BTM DISCHARGE VALVE AND H.D. LEFT IN HOLE/ RU MCCULLOUGH CHEMICAL CUT TBG AT 5458. COOH W/ TBG, TBG DRUG FOR 45 FT. OFF BTM. LEFT IN HOLE-BAKER AC PACKER AT 5470 AND 12 FT. TBG ABOVE PKR TBG BULL PLUGGED BELOW PKR. 3/1/74 FIN. PLG TBG AND RAN TBG W/ 4-3/4" BIT. RU REVERSE CIRC UNIT. 3/2/74. CIRC OUT FORMATION AND CAVINGS 5413-58. COOH W/ TBG AND BIT. WIH W/ RET. BP AND PKR TO LOCATE CSG LEAK. 3/3/74. FIN. GIH W/ BP AND PKR. SET RET. BP AT 4999. FOUND LEAK IN CSG BETWEEN 3552-3578. 3/4/74. SPOTTED SAND ON BP. PMPD IN TO CSG LEAK 1 BPM AT 2000 LBS. SQUEEZED W/ 50 SX. CLASS B CMT W/ 2 PERCENT CACL AND .6 PERCENT HALAD 9. DISPLACED CMT TO 3440. MP 2000 LBS, FINAL PR. 1600 LBS. 15 MINS. SIP. 800 LBS. SDON. LOCATION 560 FT. FNL, 1830 FT. FEL. SEC. 24-41S-23W, SAN JUAN COUNTY, UTAH, GREATER ANETH FIELD. AUTHORITY-EXPENSE. RKB ELEV. 4671. DATE LAST PRODUCED 2/4/73. DATE AND LAST WELL TEST. 11/22/73. 30 BO, 18 MCFG, 198 BW..

5  
RATHERFORD UNIT NO. 24-31 PTD 5554. PREP TO RET. BP. COOH W/ TBG AND RET. CMTR. WIH W/ BIT AND CSG SCRAPER. DRLD CMT. 3457 TO 3580. PR. TSTD CSG 950 LBS OK..

6  
RATHERFORD UNIT NO. 24-31 PTD 5554. PREP TO RUN RODS AND TBG. PLD TBG AND BIT. WIH W/ RETR. TL. WASHED SAND AND CAVINGS /30 FT./ OFF BP. RETRIEVED BP. COOH..

7  
RATHERFORD UNIT NO. 24-31 PTD 5554. PMPG. RAN RODS AND 2-7/8" TBG. REL. R AND R WELL SERVICE UNIT 5 PM 3/6/74..

8  
RATHERFORD UNIT NO. 24-31 PTD 5554. PMPG. NO TEST..

9-11  
RATHERFORD UNIT NO. 24-31 PTD 5554. PMPG - 100 PERCENT WTR.DROP FROM REPORT UNTIL REPRESENTATIVE TEST AVAILABLE..

March  
29  
RATHERFORD UNIT NO. 24-31 PTD 5482. TEMP DROP FROM REPORT 3/11/74. PENDING REPRESENTATIVE TEST. PMPD UNTIL 3/23/74. PR LOWERED TBG. TO CHECK IF PKR SET BETWEEN DESERT CREEK NO. 1 AND NO. 2 PERFS. PKR MOVED DOWN HOLE, PUSHED TYPE AC PKR W/ 12 FT. TBG ABOVE PKR TO 5527 FT. 3/24/74 COOH W/ TBG, SET MODEL ~~4~~ <sup>N 518P</sup> AT 5482 FT. SET MODEL ~~4~~ BP AT 5482 FT. RT AND RODS, PLACED ON PMP 3/28/74. PMPG 24 HRS. 14 BO, 160 BW. PRODUCING FROM PARADOX FORMATION, DESERT CREEK ZONE, GREATER ANETH FIELD, SAN JUAN CO. UTAH. DROP FROM REPORT..

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	5. LEASE DESIGNATION AND SERIAL NO. <b>14-20-603-247</b>
2. NAME OF OPERATOR <b>Phillips Petroleum Company</b>	6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Navajo</b>
3. ADDRESS OF OPERATOR <b>P. O. Box 2920, Casper, Wyoming 82602</b>	7. UNIT AGREEMENT NAME <b>SW-I-4192</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface <b>560' FNL &amp; 1830' FEL</b>	8. FARM OR LEASE NAME <b>Rutherford Unit</b>
	9. WELL NO. <b>24-31</b>
	10. FIELD AND POOL, OR WILDCAT <b>Greater Aneth</b>
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 24-T41S-R23E</b>
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>4671' RKB</b>
	12. COUNTY OR PARISH <b>San Juan</b>
	13. STATE <b>Utah</b>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

SAS ATTACHED FOR DETAILS

18. I hereby certify that the foregoing is true and correct

SIGNED <b>A. T. Gandy</b> (This space for Federal or State office use)	TITLE <b>Area Superintendent</b>	DATE <b>December 1, 1976</b>
APPROVED BY CONDITIONS OF APPROVAL, IF ANY:	TITLE	DATE

- 3 - USGS, Farmington, New Mexico
- 2 - Utah O&G CC, Salt Lake City, Utah
- 1 - Superior Oil Company, Cosmo, TX \*See Instructions on Reverse Side
- 1 - File

1 - B'Ville  
1 - Denver  
1 - Hughes  
1 - File

# FINAL REPORT INDIVIDUAL WELL STATUS

Lease Ratherford Unit Well No. 24-31 Authorization No. Expense  
Summary of Work Performed:

October 11, 1976 - Acidized perfs 5395-5443' OA w/750 gals mud acid and returned to production.

## AVERAGE DAILY PRODUCTION

	Field and Formation	Oil	Gas	Water
Before Work	<u>Greater Aneth - Zone I, Paradox</u>	<u>7</u>	<u>NR</u>	<u>102</u>
After Work	<u>" " "</u>	<u>4</u>	<u>NR</u>	<u>53</u>
Before Work				
After Work				

DATE P.T.D.

## DAILY REPORT OF WORK PERFORMED

1976  
Oct.  
11  
RATHERFORD UNIT NO. 24-31 PTD 5482. PMPG ON TEST. /INITIAL REPORT/  
10/8/76 - MI AND RU R AND R WS UNIT 10/7/76. PLD RODS AND PUMP. RU  
DOWELL, ACIDIZED PERFS 5395-5443 FT OA W/750 GALS MUD ACID AS FOLLOWS -  
PMPD 750 GAL MA DN TBG AT 0 PSI. PMPD 90 BW DN ANNULUS AT 0-500 PSI.  
PMPD 35 BW DN TBG 1/2-1 BPM AT 425 PSI FOR 1ST 16 BBLs AND 2-3/4 BPM  
AT 500 PSI FOR NEXT 19 BBLs. PMPD 20 BW DN ANNULUS AT 1-3/4 BPM AT 400  
PSI. RAN RODS AND PUMP. RELEASED R AND R WS UNIT 10/8/76. 10/9/76 -  
STARTED WELL PMPG. 163 BL AND AW TO REC. 10/10/76 - PMPG ON TEST - NO  
GAUGE. 10/11/76 - PMPG ON TEST - NO GAUGE. 2 PERCENT OIL. NO AFE ISSUED  
TO ACIDIZE W/750 GALS MUD ACID. LOCATION - 560 FT FNL AND 1830 FT FEL,  
SEC. 24-T41S-R23E, GREATER ANETH FIELD, SAN JUAN COUNTY, UTAH. ELEV.  
4671 FT RKB. SUB AREA CODE 626. DATE LAST PRODUCED 10/6/76. LAST TEST  
BEFORE ACID JOB - 7 BOPD, 102 BWPd..

12  
RATHERFORD UNIT NO. 24-31 PTD 5482. PMPG ON TEST. NO GAUGE. 100  
PERCENT WTR..

13  
RATHERFORD UNIT NO. 24-31 PTD 5482. PMPG ON TEST. PUMP FAILED. PLD  
RODS AND CHANGED PUMP..

14  
RATHERFORD UNIT NO. 24-31 PTD 5482. PMPG ON TEST. PMPD 24 HRS, NO  
GAUGE. GRINDOUT 3 PERCENT OIL. FL 4028 FT..

15  
RATHERFORD UNIT NO. 24-31 PTD 5482. PMPG ON TEST. PMPD 24 HRS, REC 3  
BO, 44 BW. FL 4413 FT..

16-18  
RATHERFORD UNIT NO. 24-31 PTD 5482. PMPG ON TEST. 10/16/76 - PMPD 24  
HRS, REC 4 BO, 53 BW, FL 4413 FT. 10/17/76 - PMPD 24 HRS, REC 6 BO, 55  
BW. 10/18/76 - PMPD 24 HRS, REC 6 BO, 59 BW..

19  
RATHERFORD UNIT NO. 24-31 PTD 5482. PMPD 24 HRS, REC 4 BO, 53 BW.  
/FINAL REPORT SUMMARY/ WELL RETURNED TO PUMPING STATUS FROM ZONE I PERFS  
5395-5443 FT, GREATER ANETH FIELD, SAN JUAN CO., UTAH /FINAL REPORT/..

December 1, 1976

Date Prepared

Original Signed By  
A. T. Crump

District Approval

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 96-004192 ✓	
2. NAME OF OPERATOR Phillips Oil Company		6. IF INDIAN, ALLOTTED OR TRIBE NAME Navajo	
3. ADDRESS OF OPERATOR P. O. Box 2920, Casper, WY 82602		7. UNIT AGREEMENT NAME Ratherford Unit ✓	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface See Attached		8. FARM OR LEASE NAME	
14. PERMIT NO. See Attached		9. WELL NO.	
15. ELEVATIONS (Show whether OF, XT, OR, etc.)		10. FIELD AND POOL, OR WILDCAT N/A	
		11. SEC., T., R., M., OR BLK. AND SECTY OR AREA See Attached	
		12. COUNTY OR PARISH San Juan	
		13. STATE Utah	

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON ☐CHANGE PLANS ☐

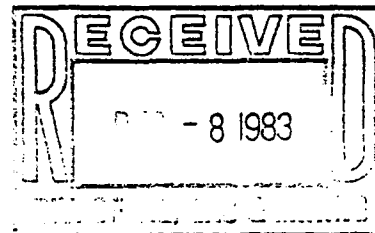
## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

To show change of Operator only. Phillips Oil Company assumed operations effective December 1, 1983 from Phillips Petroleum Company. See attached for list of wells.



Org. &amp; 3-BLM

1-The Navajo Nation  
1-Mary Wiley Black  
1-Lawrence E. Brock  
1-Chevron USA  
1-Ralph Faxe  
1-Royal Hogan  
1-W. O. Keller  
1-Dee Kelly Corp.

1-Robert Klabzuba  
1-Micheal J. Moncrief  
1-Richard B. Moncrief  
1-Lee W. Moncrief  
1-Mary H. Morgan  
1-W. A. Moncrief  
1-W. A. Moncrief, Jr.  
1-L. F. Peterson

1-Shell Oil Co.  
1-Southland Royalty Co.  
1-Superior Oil Co.  
1-Leroy Shave  
1-Texaco, Inc.  
1-Wade Wiley, Jr.  
1-Edwin W. Word, Jr.  
1-File

18. I hereby certify that the foregoing is true and correct

SIGNED A. E. Stuart TITLE Area Manager

DATE 12/6/83

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

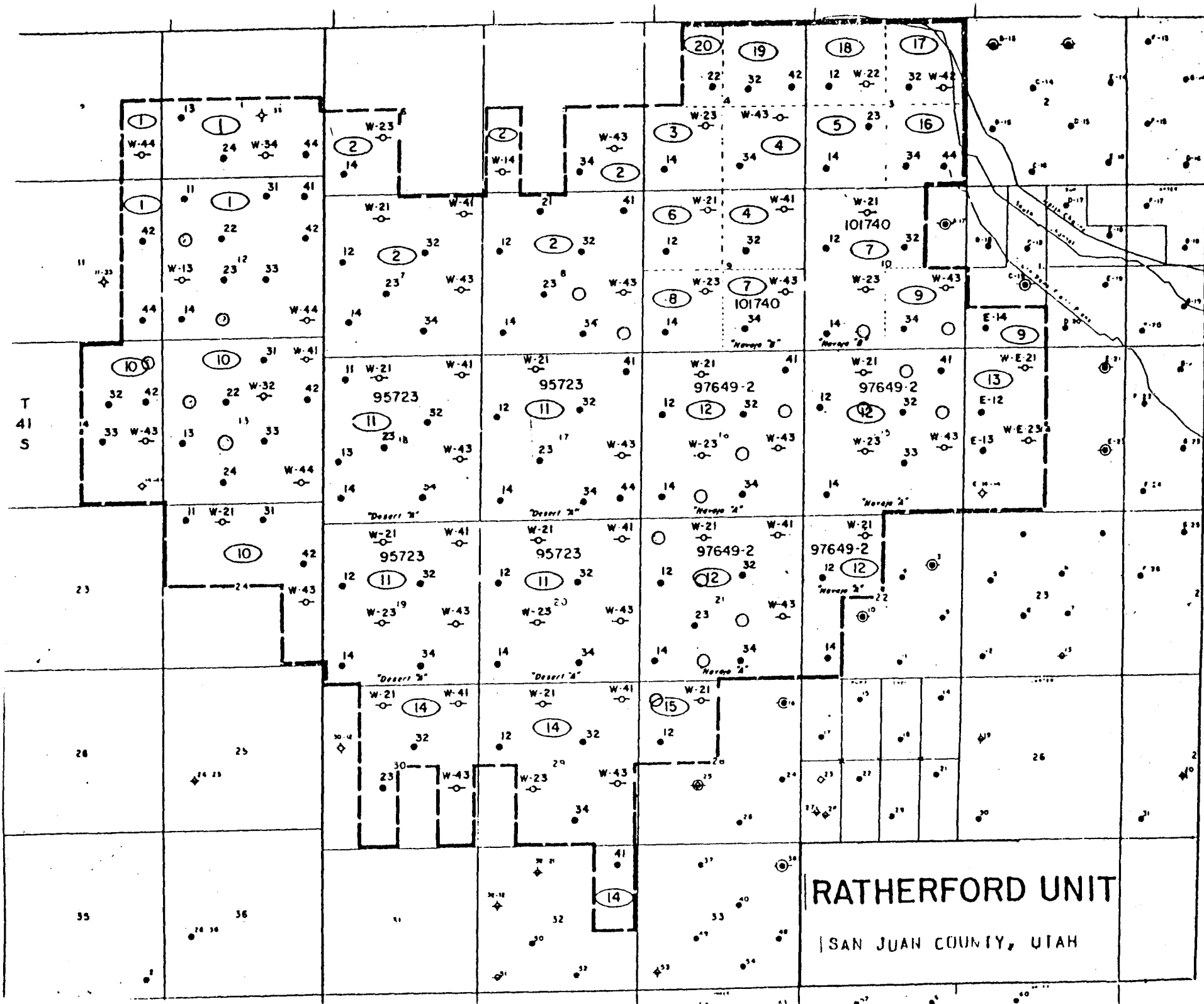
<u>WELL NO.</u>	<u>WELL LOCATION</u>	<u>API NO.</u>	<u>STATUS</u>
29-34	SW SE Sec. 29-T41S-R24E	43-037-15340	Act.
30-23	NE SW Sec. 30-T41S-R24E	43-037-15341	SI
30-32	SW NE Sec. 30-T41S-R24E	43-037-15342	SI
32-41	NE NE Sec. 32-T41S-R24E	43-037-15344	SI
1-13	NW SW Sec. 1-T41S-R24E	43-037-15838	Act.
1-24	SE SW Sec. 1-T41S-R24E	43-037-15839	Act.
1-44	SE SE Sec. 1-T41S-R24E	43-037-15840	Act.
6-14	SW SW Sec. 6-T41S-R24E	43-037-15894	Act.
7-12	SW NW Sec. 7-T41S-R24E	43-037-15985	SI
7-14	SW SW Sec. 7-T41S-R24E	43-037-15986	SI
7-23	NE SW Sec. 7-T41S-R24E	43-037-15987	SI
7-32	SW NE Sec. 7-T41S-R24E	43-037-15988	SI
7-34	SW SE Sec. 7-T41S-R24E	43-037-15989	Act.
11-42	SE NE Sec. 11-T41S-R23E	43-037-15841	Act.
11-44	SE SE Sec. 11-T41S-R23E	43-037-15842	Act.
12-11	NW NW Sec. 12-T41S-R23E	43-037-15843	Act.
12-14	SW SW Sec. 12-T41S-R23E	43-037-15844	Act.
12-22	SE NW Sec. 12-T41S-R23E	43-037-15845	Act.
12-23	NE SW Sec. 12-T41S-R23E	43-037-15846	Act.
12-31	NW NE Sec. 12-T41S-R23E	43-037-15847	Act.
12-33	NW SE Sec. 12-T41S-R23E	43-037-15848	Act.
12-41	NE NE Sec. 12-T41S-R23E	43-037-15849	Act.
12-42	SE NE Sec. 12-T41S-R23E	43-037-15850	Act.
13-13	NW SW Sec. 13-T41S-R23E	43-037-15851	Act.
13-22	SE NW Sec. 13-T41S-R23E	43-037-15852	Act.
13-24	SE SW Sec. 13-T41S-R23E	43-037-15853	Act.
13-31	NW NE Sec. 13-T41S-R23E	43-037-15854	Act.
13-33	NW SE Sec. 13-T41S-R23E	43-037-15855	Act.
13-42	SE NE Sec. 13-T41S-R23E	43-037-15857	Act.
14-32	SW NE Sec. 14-T41S-R23E	43-037-15858	Act.
14-33	NW SE Sec. 14-T41S-R23E	43-037-15859	SI
14-42	SE NE Sec. 14-T41S-R23E	43-037-15860	Act.
24-11	NW NW Sec. 24-T41S-R23E	43-037-15861	SI
24-31	NW NE Sec. 24-T41S-R23E	43-037-15862	Act.
E11-14	SW SW Sec. 11-T41S-R24E	43-037-16167	Act.
3-12	SW NW Sec. 3-T41S-R24E	43-037-15620	Act.
3-14	SW SW Sec. 3-T41S-R24E	43-037-15124	Act.
3-23	NE SW Sec. 3-T41S-R24E	43-037-15125	SI
3-32	SW NE Sec. 3-T41S-R24E	43-037-15621	SI
3-44	SE SE Sec. 3-T41S-R24E	43-037-15031	Act.
4-14	SW SW Sec. 4-T41S-R24E	43-037-16163	Act.
4-22	SE NW Sec. 4-T41S-R24E	43-037-15622	SI
4-32	SW NE Sec. 4-T41S-R24E	43-037-15623	SI
4-34	SW SE Sec. 4-T41S-R24E	43-037-16164	Act.
4-42	SE NE Sec. 4-T41S-R24E	43-037-15624	SI
5-34	SW SE Sec. 5-T41S-R24E	43-037-15983	SI
8-12	SW NW Sec. 8-T41S-R24E	43-037-15991	Act.
8-14	SW SW Sec. 8-T41S-R24E	43-037-15992	Act.
8-21	NE NW Sec. 8-T41S-R24E	43-037-15993	Act.
8-23	NE SW Sec. 8-T41S-R24E	43-037-15994	Act.
8-32	SW NE Sec. 8-T41S-R24E	43-037-15995	SI

6. UNIT OPERATOR (Well operator)

Phillips Petroleum Company is hereby designated as Unit Operator and by signature hereto as Unit Operator agrees and consents to accept the duties of Unit Operator for the development and production of Unitized Substances as herein provided.

Taken from the Ratherford Unit Agreement.  
Operator Name Change.





RATHERFORD UNIT  
| SAN JUAN COUNTY, UTAH



**PHILLIPS PETROLEUM COMPANY**

CASPER, WYOMING 82602  
BOX 2920

EXPLORATION AND PRODUCTION GROUP

April 2, 1986

**RECEIVED**  
APR 09 1986

**DIVISION OF  
OIL, GAS & MINING**

State of Utah  
Oil, Gas and Mining  
Division of Natural Resources  
355 W. North Temple, 3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Attn: Gilbert Hunt

RE: UIC Permit Applications  
Ratherford Unit  
San Juan County, Utah

Dear Mr. Hunt:

Attached are nine applications for the conversion of oil wells to injection at the Ratherford Unit. The required application attachments are the same as those submitted in February and have not been included in this package.

The well conversions applied for are:

13W31	16W14	18W14
14W42	17W14	<b>24W31</b>
16W12	17W41	24W42

Please contact R. C. Taylor of this office with any questions at (307) 237-3791.

Sincerely,

PHILLIPS PETROLEUM COMPANY

*D. C. Gill*  
D. C. Gill

Area Manager

RCT/fb (39)  
Casper RC

Received 4/9/86 mp

STATE OF UTAH  
DIVISION OF OIL, GAS, AND MINING  
ROOM 4241 STATE OFFICE BUILDING  
SALT LAKE CITY, UTAH 84114  
(801) 533-5771  
(RULE 1-5 & RULE 1-4)

FORM NO. DOGM-UIC-1  
(Revised 1982)

IN THE MATTER OF THE APPLICATION OF

Phillips Petroleum Company

CAUSE NO. C-3 (B)

ADDRESS P. O. Box 2920

Casper, WY

ZIP 82602

INDIVIDUAL PARTNERSHIP ☒ CORPORATION       

FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR  
INJECT FLUID INTO THE 24 W 31 WELL

SEC. 24 TWP. 41S RANGE 23 E  
San Juan COUNTY, UTAH

ENHANCED RECOVERY INJ. WELL	<input checked="" type="checkbox"/>
DISPOSAL WELL	<input type="checkbox"/>
LP GAS STORAGE	<input type="checkbox"/>
EXISTING WELL (RULE 1-4)	<input type="checkbox"/>

APPLICATION

Comes now the applicant and shows the Corporation Commission the following:

1. That Rule 1-5 (g) (iv) authorizes administrative approval of enhanced recovery injections, disposal or LP Gas storage operations.
2. That the applicant submits the following information.

Lease Name <u>Ratherford Unit</u>	Well No. <u>24 W 31</u>	Field <u>Greater Aneth</u>	County <u>San Juan</u>
Location of Enhanced Recovery Injection or Disposal Well <u>24 W 31</u> Sec. <u>24</u> Twp. <u>41S</u> Rge. <u>23</u> E			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input type="checkbox"/> No <input type="checkbox"/>	Casing Test Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Date <u>      </u>	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>Wingate 1550'</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		State What Oil & Gas
Location of Injection Source(s) <u>Desert Creek Paradox I &amp; II/ San Juan River</u>		Geologic Name(s) and Depth of Source(s) <u>Desert Creek (5384) San Juan River (Surface)</u>	
Geologic Name of Injection Zone <u>Desert Creek Zone I</u>		Depth of Injection Interval <u>5384 to 5443</u>	
a. Top of the Perforated Interval: <u>5384</u>	b. Base of Fresh Water: <u>1550</u>	c. Intervening Thickness (a minus b) <u>3834</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES <u>See previously submitted</u> NO <u>material, attachment #4</u>			
Lithology of Intervening Zones <u>See previously submitted material, attachment #1</u>			
Injection Rates and Pressures Maximum <u>500</u> B/D <u>Not to exceed approximately 3000</u> PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent. <u>Navajo Tribe, Minerals Dept., P. O. Box 146, Window Rock, AZ 86515</u> <u>Mobil Oil Corp. Attn; Joint Interest Advisor P. O. Box 5444 Denver, CO 80217</u> <u>Texaco Inc., P. O. Box 2100, Denver, CO 80201</u>			

State of Wyoming

Phillips Petroleum Company

County of Natrona

Applicant

Before me, the undersigned authority, on this day personally appeared D. C. Gill known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states, that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

DONALD L. HUDSON - Notary Public

County of  
Natrona



My Commission Expires Nov. 3, 1986

My commission expires Nov. 3, 1986

Donald L. Hudson

Notary Public in and for Natrona Co., Wyoming

(OVER)

## INSTRUCTIONS

1. Attach qualitative and quantitative analysis of representative sample of water to be injected and a qualitative and quantitative analysis of the injection formation of water.
2. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within one-half mile, together and with the name of the operator(s).
3. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division or appropriate government agencies.)
4. Attach Electric or Radioactivity Log of Subject well (if released).
5. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
6. If the application is for a NEW well the original and six (6) copies of the application and three (3) complete sets of attachments shall be mailed to the Division. For EXISTING well applications (Rule I-4) only ONE copy of the application and ONE complete set of attachments are required to be mailed to the Division.
7. The Division is required to send notice of application to the surface owner of the land within one-half mile of the injection well and to each operator of a producing leasehold within one-half mile of the injection well. List all required names and addresses in the appropriate space provided on the front of this form.
8. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county of publication before the application is approved. The notice shall include the name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application may be approved administratively.
9. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed by January 31st each year.
10. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
11. If there is less intervening thickness required by Rule I-5 (b) 4, attach sworn evidence and data.
12. For enhanced recovery projects, information required by Rule I-4 which is common to more than one well, need be reported only once on the application.

## CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface 32# / 38#	8 5/8"	1364'	700 SX	Surface	Returns
Intermediate	none				
Production 14#	5 1/2"	5567'	200 SX	4081'	calculated
Tubing	2-3/8 or 2-7/8		Name - Type - Depth of Tubing Packer (5295')		
PB Total Depth 5482			Baker type AB Tension Pkr or Similar		
Geologic Name - Inj. Zone		Depth - Top of Inj. Interval		Depth - Base of Inj. Interval	
Desert Creek Zone 1		5395'		5443'	

FIELD: GREATER ANTELOPE SAN JUAN Co. Ut  
RESERVOIR: Desert Creek Zone I

W I COMPLETION: proposed  
PRESENT STATUS: conversion to  
water injection

RKB 4670.8'  
GL 4660.2'

SURFACE CASING: 32#/38#  
8 5/8" J-55

Well #: 24W31

PRODUCTION CASING: 14#  
5 1/2" J-55

PERFORATIONS: \_\_\_\_\_  
5395 - 5424  
5426 - 30  
5437 - 43  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PACKER: Baker Model AB  
Tension Type or Similar  
Set @ 5295' approx.

PBTD: 5482  
OTD: 5567'

5567'

4081

5000

5000

Phillips Petroleum Company

STATE OF UTAH  
DIVISION OF OIL, GAS, AND MINING  
ROOM 4241 STATE OFFICE BUILDING  
SALT LAKE CITY, UTAH 84114  
(801) 533-5771  
(RULE 1-5 & RULE 1-4)

FORM NO. DOGM-UIC-1  
(Revised 1982)

IN THE MATTER OF THE APPLICATION OF

Phillips Petroleum Company  
ADDRESS P. O. Box 2920  
Casper, WY ZIP 82602  
INDIVIDUAL PARTNERSHIP ☒ CORPORATION         
FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR  
INJECT FLUID INTO THE 24 W 31 WELL  
SEC. 24 TWP. 41S RANGE 23 E  
San Juan COUNTY, UTAH

CAUSE NO. C-3 (B)

ENHANCED RECOVERY INJ. WELL	<input checked="" type="checkbox"/>
DISPOSAL WELL	<input type="checkbox"/>
LP GAS STORAGE	<input type="checkbox"/>
EXISTING WELL (RULE 1-4)	<input type="checkbox"/>

APPLICATION

Comes now the applicant and shows the Corporation Commission the following:

1. That Rule 1-5 (g) (iv) authorizes administrative approval of enhanced recovery injections, disposal or LP Gas storage operations.
2. That the applicant submits the following information.

Lease Name <u>Ratherford Unit</u>	Well No. <u>24 W 31</u>	Field <u>Greater Aneth</u>	County <u>San Juan</u>
Location of Enhanced Recovery Injection or Disposal Well <u>24 W 31</u> Sec. <u>24</u> Twp. <u>41S</u> Rge. <u>23</u> E			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input type="checkbox"/> No <input type="checkbox"/>	Casing Test Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Date <u>      </u>	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>Wingate 1550'</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		State What Oil & Gas
Location of Injection Source(s) <u>Desert Creek Paradox I &amp; II/ San Juan River</u>		Geologic Name(s) and Depth of Source(s) <u>Desert Creek (5384) San Juan River (Surface)</u>	
Geologic Name of Injection Zone <u>Desert Creek Zone I</u>		Depth of Injection Interval <u>5384 to 5443</u>	
a. Top of the Perforated Interval: <u>5384</u>	b. Base of Fresh Water: <u>1550</u>	c. Intervening Thickness (a minus b) <u>3834</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES		See previously submitted material, attachment #4	
Lithology of Intervening Zones <u>See previously submitted material, attachment #1</u>			
Injection Rates and Pressures Maximum <u>500</u> B/D <u>Not to exceed approximately 3000</u> PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent. <u>Navajo Tribe, Minerals Dept., P. O. Box 146, Window Rock, AZ 86515</u> <u>Mobil Oil Corp. Attn; Joint Interest Advisor P. O. Box 5444 Denver, CO 80217</u> <u>Texaco Inc., P. O. Box 2100, Denver, CO 80201</u>			

State of Wyoming

Phillips Petroleum Company

County of Natrona

Applicant

Before me, the undersigned authority, on this day personally appeared D. C. Gill known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states, that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

Subscribed and sworn to before me this 4th day of April, 19 86

County of  
Natrona

Wyoming

My Commission Expires Nov. 3, 1986

My commission expires Nov. 3, 1986

Notary Public in and for Natrona Co., Wyoming

(OVER)

## INSTRUCTIONS

1. Attach qualitative and quantitative analysis of representative sample of water to be injected and a qualitative and quantitative analysis of the injection formation of water.
2. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within one-half mile, together and with the name of the operator(s).
3. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division or appropriate government agencies.)
4. Attach Electric or Radioactivity Log of Subject well (if released).
5. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
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7. The Division is required to send notice of application to the surface owner of the land within one-half mile of the injection well and to each operator of a producing leasehold within one-half mile of the injection well. List all required names and addresses in the appropriate space provided on the front of this form.
8. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county of publication before the application is approved. The notice shall include the name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application may be approved administratively.
9. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed by January 31st each year.
10. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
11. If there is less intervening thickness required by Rule I-5 (b) 4, attach sworn evidence and data.
12. For enhanced recovery projects, information required by Rule I-4 which is common to more than one well, need be reported only once on the application.

## CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface 32# / 38#	8 5/8"	1364'	700 SX	Surface	Returns
Intermediate	none				
Production 14#	5 1/2"	5567'	200 SX	4081'	Calculated
Tubing	2-3/8 or 2-7/8		Name - Type - Depth of Tubing Packer Baker type AB Tension Pkr or Similar (5295')		
PB Total Depth 5482	Geologic Name - Inj. Zone Desert Creek Zone 1	Depth - Top of Inj. Interval, 5395'	Depth - Base of Inj. Interval, 5443'		

LOCATION: WINE Ser. 24-T41S-R23E

FIELD: GREATER-ANETH in Union Co. Wt

RESERVOIR: Desert Creek Zone I

RKB 4670.8'

GL 4660.2'

Well #: 24W31

W I C C PLETION: proposed

PRESENT STATUS: conversion to  
water injection

SURFACE CASING: 32#/38#  
8 5/8" J-55

1364'

PRODUCTION CASING: 14#  
5 1/2" J-55

PERFORATIONS: \_\_\_\_\_

5395 - 5424

5426 - 30

5437 - 43

PACKER: Baker Model AB  
Tension Type or Similar  
Set @ 5295' approx.

PBTD: 5482'

OTD: 5567'

5567'

Phillips Petroleum Company



BUREAU LAND MANAGEMENT

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-247A	
2. NAME OF OPERATOR Phillips Petroleum Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo	
3. ADDRESS OF OPERATOR P.O. Box 2920, Casper, WY 82602		7. UNIT ASSIGNMENT NAME SW-I-4192	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 560' FNL, 1830' FEL (NW NE)		8. FARM OR LEASE NAME Ratherford Unit	
14. PERMIT NO. 43-037-15862		9. WELL NO. 24-31	
15. ELEVATIONS (Show whether M., FT., OR, etc.) 4671' RKB		10. FIELD AND POOL, OR WILDCAT Greater Aneth	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 24-T41S-R23E	
		12. COUNTY OR PARISH San Juan	13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐  
☐  
☒  
☐

PULL OR ALTER CASING

☐  
☐  
☐  
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANE

☒

(Other) Convert to Water Injection

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐  
☐  
☐  
☐

REPAIRING WELL

☐  
☐  
☐  
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

It is proposed to convert Ratherford Unit #24-31 from a Zone I & II producing well to Zone I water injection. After plugging back to Zone I, the well will be acidized with approximately 5900 gallons of 28% HCl Acid, and placed on injection.

A 10' x 8' x 6' fenced pit will be constructed on location in a previously disturbed area. Upon completion of the workover, the pit will be dried and recovered.

5-BLM, Farmington, NM  
2-Utah O&G CC, Salt Lake City, Utah  
1-P. J. Adamson  
1-M. Williams, 302 TRW  
1-J. R. Weichbrodt  
1-B. J. Murphy  
1-File RC

RECEIVED  
MAY 31 1986APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MININGDATE: 5/28/86  
BY: [Signature]Federal approval of this action  
is required before commencing  
operations.

18. I hereby certify that the foregoing is true and correct

SIGNED

[Signature]  
D. C. Gill

TITLE Area Manager

DATE May 14, 1986

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

# UIC CHECKLIST FOR APPLICATION APPROVAL

OPERATOR Phillips Petroleum WELL NUMBER Ratherford 24-31  
 SEC. 24 T. 41S R. 23E COUNTY SAN JUAN  
 API # 43-037-15862

NEW WELL \_\_\_\_\_ DISPOSAL WELL \_\_\_\_\_ ENHANCED RECOVERY WELL X

- Plat showing surface ownership	Yes <u>X</u>	No _____
- Application forms complete	Yes <u>X</u>	No _____
- Schematic of well bore	Yes <u>X</u>	No _____
- Adequate geologic information	Yes <u>X</u>	No _____
- Rate and Pressure information	Yes <u>X</u>	No _____
- Fluid source	Yes <u>X</u>	No _____
- Analysis of formation fluid	Yes <u>X</u>	No _____
- Analysis of injection fluid	Yes <u>X</u>	No _____
- USDW information	Yes <u>X</u>	No _____
- Mechanical integrity test	Yes <u>X</u>	No _____

Comments: # of wells w/in  $\approx 1/2$  mile radius = 12 9 Prod, 3 Inj.  
open hole injection

Reviewed by Dorothy Swindell 4/10/86



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 23, 1986

San Juan Record  
Legal Advertising  
P.O. Box 879  
Monticello, Utah 84535

Gentlemen:

RE: Cause No. UIC-082

Enclosed is a Notice of Application of Administrative Approval before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible, but no later than the 7th day of May, 1986. In the event that said notice cannot be published by this date, please notify me immediately by calling 538-5340.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

*Marlayne Louben*  
for

Marjorie L. Anderson  
Administrative Assistant

mfp

Enclosure



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 23, 1986

Newspaper Agency Corporation  
Legal Advertising  
143 South Main - Mezzanine Floor  
Salt Lake City, Utah 84110

Gentlemen:

RE: Cause No. UIC-082

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It is requested that this notice be published ONCE ONLY, as soon as possible, but no later than the 7th day of May, 1986. In the event that said notice cannot be published by this date, please notify me immediately by calling 538-5340.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

for  
Marjorie L. Anderson  
Administrative Assistant

mfp

Enclosure

UIC-082

Utah State Department of Health  
Water Pollution Control  
Attn: Loren Morton  
4241 State Office Building  
Salt Lake City, Utah 84114

U.S. Environmental Protection Agency  
Suite 1300  
Attn: Mike Strieby  
999 18th Street  
Denver, Colorado 80202-2413

Bureau of Land Management  
Consolidated Financial Center  
324 South State Street  
Salt Lake City, Utah 84111-2303

Navajo Tribe  
Minerals Department  
PO Box 146  
Window Rock, Arizona 86515

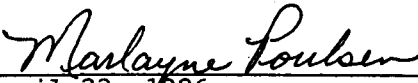
Mobil Oil Corporation  
Attn: Joint Interest Advisor  
PO Box 5444  
Denver, Colorado 80217

Texaco Incorporated  
PO Box 2100  
Denver, Colorado 80201

Phillips Petroleum Company  
PO Box 2920  
Casper, Wyoming 82602

Newspaper Agency Corporation  
Legal Advertising  
143 South Main - Mezzanine Floor  
Salt Lake City, Utah 84110

San Juan Record  
Legal Advertising  
PO Box 879  
Monticello, Utah 84535

  
\_\_\_\_\_  
April 23, 1986



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

May 23, 1986

Phillips Petroleum Company  
P.O. Box 2920  
Casper, Wyoming 82602

Gentlemen:

RE: Injection Well Approval - Cause No. UIC-082

Administrative approval is hereby granted to convert the following wells to Class II enhanced recovery water injection wells:

RATHERFORD UNIT - San Juan County, Utah

#13-31, Sec. 13, T41S, R23E	#16-14, Sec. 16, T41S, R24E
#14-42, Sec. 14, T41S, R23E	#17-14, Sec. 17, T41S, R24E
#24-42, Sec. 24, T41S, R23E	#17-41, Sec. 17, T41S, R24E
#24-31, Sec. 24, T41S, R23E	#18-14, Sec. 18, T41S, R24E
#16-12, Sec. 16, T41S, R24E	

This approval is conditional upon full compliance with the UIC rules and regulations adopted by the Board of Oil, Gas and Mining, and construction and operation of the wells as outlined in the applications submitted.

If you have any questions concerning this matter, please do not hesitate to call or write.

Best regards,

Dianne R. Nielson  
Director

mfp  
7627U

# Affidavit of Publication

ADM-358

STATE OF UTAH,  
County of Salt Lake

ss.

BEFORE THE DIVISION OF  
OIL, GAS AND MINING  
DEPARTMENT OF  
NATURAL RESOURCES  
STATE OF UTAH  
CAUSE NO. UIC-082

IN THE MATTER OF THE AP-  
PLICATION OF PHILLIPS PE-  
TROLEUM COMPANY, FOR  
ADMINISTRATIVE APPROVAL  
TO INJECT FLUID INTO  
WELLS TO BE CONVERTED  
TO ENHANCED RECOVERY  
INJECTION WELLS LOCATED  
IN SECTIONS 13, 14 AND 24,  
TOWNSHIP 41 SOUTH, RANGE  
23 EAST; AND SECTIONS 16,  
17, AND 18, TOWNSHIP 41  
SOUTH, RANGE 24 EAST,  
S.L.M. SAN JUAN COUNTY,  
UTAH.

THE STATE OF UTAH TO  
ALL INTERESTED PARTIES IN  
THE ABOVE ENTITLED MAT-  
TER.

Notice is hereby given that  
Phillips Petroleum Company,  
P.O. Box 2920, Casper, Wyo-  
ming 82602, has requested ad-  
ministrative approval from the  
Division to convert the follow-  
ing listed wells to enhanced re-  
covery water injection wells:

**RATHERFOR UNIT**

San Juan County, Utah

- #13-31, Sec. 13, T41S, R23E
- #14-42, Sec. 14, T41S, R23E
- #24-42, Sec. 24, T41S, R23E
- #24-31, Sec. 24, T41S, R23E
- #16-12, Sec. 16, T41S, R24E
- #16-14, Sec. 16, T41S, R24E
- #17-14, Sec. 17, T41S, R24E
- #17-41, Sec. 17, T41S, R24E
- #18-14, Sec. 18, T41S, R24E

INJECTION INTERVAL: Desert  
Creek Formation 5371' to 5640'  
MAXIMUM ESTIMATED SUR-  
FACE PRESSURE: 3000 psia  
MAXIMUM ESTIMATED WA-  
TER INJECTION RATE: 500  
BWPD

Approval of this Application  
will be granted unless objec-  
tions are filed with the Division  
of Oil, Gas and Mining within fif-  
teen days after publication of  
this Notice. Objections, if any,  
should be mailed to the Division  
of Oil, Gas and Mining, Atten-  
tion: UIC Program Manager,  
355 West North Temple, 3 Triad  
Center, Suite 350, Salt Lake  
City, Utah 84103-1203.

DATED this 21st day of April,  
1986.

STATE OF UTAH  
DIVISION OF OIL,  
GAS AND MINING  
MARJORIE L. ANDERSON  
Administrative Assistant

M-52

Subscribed and sworn to before me this ..... 20th ..... day of

..... May ..... A.D. 1986 .....

..... Cheryl L. Gierloff .....

Being first duly sworn, deposes and says that he/she is  
legal advertising clerk of **THE SALT LAKE TRIBUNE**,  
a daily newspaper printed in the English language with  
general circulation in Utah, and published in Salt Lake  
City, Salt Lake County, in the State of Utah, and of the  
**DESERET NEWS**, a daily newspaper printed in the  
English language with general circulation in Utah, and  
published in Salt Lake City, Salt Lake County, in the  
State of Utah.

That the legal notice of which a copy is attached hereto

..... Cause No. UIC-082 ..... Application of Phillips .....

..... Petroleum Company .....

was published in said newspaper on .....

..... May 7, 1986 .....

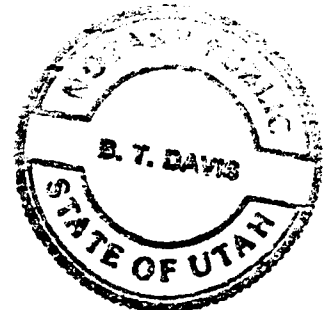
*Cheryl L. Gierloff*  
Legal Advertising Clerk

*B. T. Davis*

Notary Public

My Commission Expires

..... March 1, 1988 .....



# AFFIDAVIT OF PUBLICATI...

## Public notice

BEFORE THE DIVISION OF  
OIL, GAS AND MINING  
DEPARTMENT OF  
NATURAL RESOURCES  
STATE OF UTAH

IN THE MATTER OF THE APPLICA-  
TION OF PHILLIPS PETROLEUM  
COMPANY, FOR ADMINISTRATIVE  
APPROVAL TO INJECT FLUID INTO  
WELLS TO BE CONVERTED TO  
ENHANCED RECOVERY INJEC-  
TION WELLS LOCATED IN SEC-  
TIONS 13, 14 AND 24, TOWNSHIP 41  
SOUTH, RANGE 23 EAST, AND  
SECTIONS 16, 17 AND 18, TOWNSHIP  
41 SOUTH, RANGE 24 EAST, S.L.M.  
SAN JUAN COUNTY, UTAH

CAUSE NO. UIC-082

IN THE STATE OF UTAH TO ALL  
INTERESTED PARTIES IN THE  
ABOVE ENTITLED MATTER.

Notice is hereby given that Phillips  
Petroleum Company, P.O. Box 2920,  
Casper, Wyoming 82602, has requested  
administrative approval from the  
Division to convert the following listed  
wells to enhanced recovery water  
injection wells:

### RATHERFORD UNIT

San Juan County, Utah

#13-31, Sec. 13, T41S, R23E

#14-42, Sec. 14, T41S, R23E

#24-42, Sec. 24, T41S, R23E

#24-31, Sec. 24, T41S, R23E

#16-12, Sec. 16, T41S, R24E

#16-14, Sec. 16, T41S, R24E

#17-14, Sec. 17, T41S, R24E

#17-41, Sec. 17, T41S, R24E

#18-14, Sec. 18, T41S, R24E

INJECTION INTERVAL: Desert Creek  
Formation 5371' to 5640'

MAXIMUM ESTIMATED SURFACE  
PRESSURE: 3000 psig

MAXIMUM ESTIMATED WATER  
INJECTION RATE: 500 BWPD

Approval of this Application will be  
granted unless objections are filed with  
the Division of Oil, Gas and Mining  
within fifteen days after publication of  
this Notice. Objections, if any, should be  
mailed to the Division of Oil, Gas and  
Mining, Attention: UIC Program  
Manager, 355 West North Temple, 3  
Triad Center, Suite 350, Salt Lake City,  
Utah 84108-1203.

DATED this 21st day of April, 1986.

STATE OF UTAH  
DIVISION OF OIL,  
GAS AND MINING

/s/ MARJORIE L. ANDERSON

Laying hens David Brand (JUC)  
4-23-21c 565-8622

I, Joyce Martin, am duly sworn,

depose and say that I am the publisher of the San  
Juan Record, a weekly newspaper of general circulation  
published at Monticello, Utah, every Wednesday; that  
notice of Cause No. UIC-082

a copy of which is hereunto attached, was published in  
the regular and entire issue of each number of said  
newspaper for a period of one issues, the first  
publication having been made on April 30, 1986.  
and the last publication having been made on \_\_\_\_\_

Signature

Joyce A. Martin  
Publisher

Subscribed and sworn to before me this 30th  
day of April, A.D. 1986.

Lloyd K. Adams  
Notary Public  
Residing at Monticello, Utah,

My commission expires December 2, 1987



BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH

---oo0oo---

IN THE MATTER OF THE APPLICATION : CAUSE NO. UIC-082  
OF PHILLIPS PETROLEUM COMPANY, :  
FOR ADMINISTRATIVE APPROVAL TO :  
INJECT FLUID INTO WELLS TO BE :  
CONVERTED TO ENHANCED RECOVERY :  
INJECTION WELLS LOCATED IN SEC- :  
TIONS 13, 14 AND 24, TOWNSHIP 41 :  
SOUTH, RANGE 23 EAST; AND SECTIONS :  
16, 17, AND 18, TOWNSHIP 41 SOUTH, :  
RANGE 24 EAST, S.L.M. SAN JUAN :  
COUNTY, UTAH :

---oo0oo---

THE STATE OF UTAH TO ALL INTERESTED PARTIES IN THE ABOVE ENTITLED  
MATTER.

Notice is hereby given that Phillips Petroleum Company, P.O. Box  
2920, Casper, Wyoming 82602, has requested administrative approval from  
the Division to convert the following listed wells to enhanced  
recovery water injection wells:

RATHERFORD UNIT - San Juan County, Utah


#13-31, Sec. 13, T41S, R23E	#16-14, Sec. 16, T41S, R24E
#14-42, Sec. 14, T41S, R23E	#17-14, Sec. 17, T41S, R24E
#24-42, Sec. 24, T41S, R23E	#17-41, Sec. 17, T41S, R24E
#24-31, Sec. 24, T41S, R23E	#18-14, Sec. 18, T41S, R24E
#16-12, Sec. 16, T41S, R24E	

INJECTION INTERVAL: Desert Creek Formation 5371' to 5640'  
MAXIMUM ESTIMATED SURFACE PRESSURE: 3000 psig  
MAXIMUM ESTIMATED WATER INJECTION RATE: 500 BWPD

Approval of this Application will be granted unless objections are  
filed with the Division of Oil, Gas and Mining within fifteen days  
after publication of this Notice. Objections, if any, should be  
mailed to the Division of Oil, Gas and Mining, Attention: UIC Program  
Manager, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake  
City, Utah 84180-1203.

DATED this 21st day of April, 1986.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

  
MARJORIE L. ANDERSON  
Administrative Assistant

CC: GLH  
(OTS 2-3-67)

JAN 30 1987

## PRODUCING ENTITY ACTION

DIVISION OF  
OIL, GAS & MINING

Operator Name Phillips Petroleum Company  
Address P. O. Box 2920  
City Casper State Wyoming Zip 82604  
Utah Account No. N0772

Authorized Signature Meredith K. Widenaker  
Effective Date December, 1986 Telephone (307) 237-3791

### ACTION CODE

- A Establish new entity for new well(s).
- B Add new well(s) to existing entity.
- C Delete well(s) from existing entity.
- D Establish new entity for well(s) being deleted from existing entity.
- E Change well(s) from one entity to another existing entity.
- F Other. (Specify using attachments if necessary.)

**BRACKET WELLS TO BE GROUPED TOGETHER.**

(Use black ink or typewriter ribbon.)

Action Code	Current Entity No.	New Entity No.	API No.	Well Name	Well Location					Producing Formation
					Sec.	T	R	Q/Q	County	
C	06280		4303715728	Ratherford Unit Well #17-23	17	41S	24E	NESW	San Juan	PRDX

Explanation of action:

Well converted to a water injection well effective 11/20/86.

C	06280		4303730244	Ratherford Unit Well #18-23	18	41S	24E	NESW	San Juan	DSCR
---	-------	--	------------	-----------------------------	----	-----	-----	------	----------	------

Explanation of action:

Well converted to a water injection well effective 11/17/86

C	06280		4303715840	Ratherford Unit Well #1-44 ✓	1	41S	23E	SESE	San Juan	PRDX
---	-------	--	------------	------------------------------	---	-----	-----	------	----------	------

Explanation of action:

Well converted to a water injection well effective 12/15/86

C	06280		4303715842	Ratherford Unit Well #11-44 ✓	11	41S	23E	SESE	San Juan	PRDX
---	-------	--	------------	-------------------------------	----	-----	-----	------	----------	------

Explanation of action:

Well converted to a water injection well effective 12/5/86

DIVISION OF  
OIL GAS & MINING

## PRODUCING ENTITY ACTION

Operator Name Phillips Petroleum Company  
Address P. O. Box 2920  
City Casper State Wyoming Zip 82602  
Utah Account No. N0772  
Authorized Signature Meredith K. Widiker  
Effective Date December, 1986 Telephone (307) 237-3791

### ACTION CODE

- A Establish new entity for new well(s).
- B Add new well(s) to existing entity.
- C Delete well(s) from existing entity.
- D Establish new entity for well(s) being deleted from existing entity.
- E Change well(s) from one entity to another existing entity.
- F Other. (Specify using attachments if necessary.)

**BRACKET WELLS TO BE GROUPED TOGETHER.**

(Use black ink or typewriter ribbon.)

Action Code	Current Entity No.	New Entity No.	API No.	Well Name	Well Location					Producing Formation
					Sec.	T	R	Q/Q	County	
C	06280		4303715845	Ratherford Unit Well #12-22 ✓	12	41S	23E	SENW	San Juan	PRDX

Explanation of action:

Well converted to a water injection well effective 12/30/86.

C	06280		4303715850	Ratherford Unit Well #12-42 ✓	12	41S	23E	SENE	San Juan	DSCR
---	-------	--	------------	-------------------------------	----	-----	-----	------	----------	------

Explanation of action:

Well converted to a water injection well effective 12/23/86.

C	06280		4303715726	Ratherford Unit Well #17-12 ✓	17	41S	24E	SWNW	San Juan	PRDX
---	-------	--	------------	-------------------------------	----	-----	-----	------	----------	------

Explanation of action:

Well converted to a water injection well effective 12/12/86.

C	06280		4303715862	Ratherford Unit Well #24-31 ✓	24	41S	23E	NWNE	San Juan	PRDX
---	-------	--	------------	-------------------------------	----	-----	-----	------	----------	------

Explanation of action:

Well converted to a water injection well effective 12/13/86.

CC: GLH  
(OTS 2-3-87)  
Commencement

Page 1 of 2

JAN 30 1987

## PRODUCING ENTITY ACTION

DIVISION OF  
OIL, GAS & MINING

Operator Name Phillips Petroleum Company  
Address P. O. Box 2920  
City Casper State Wyoming Zip 82604  
Utah Account No N0772

Authorized Signature Meredith K. Winkler  
Effective Date December, 1986 Telephone (307) 237-3791

### ACTION CODE

- A Establish new entity for new well(s).
- B Add new well(s) to existing entity.
- C Delete well(s) from existing entity.
- D Establish new entity for well(s) being deleted from existing entity.
- E Change well(s) from one entity to another existing entity.
- F Other. (Specify using attachments if necessary.)

**BRACKET WELLS TO BE GROUPED TOGETHER.**

(Use black ink or typewriter ribbon.)

Action Code	Current Entity No.	New Entity No.	API No.	Well Name	Well Location					Producing Formation
					Sec.	T	R	Q/Q	County	
C	06280		4303715728	Ratherford Unit Well #17-23	17	41S	24E	NESW	San Juan	PRDX

Explanation of action:

Well converted to a water injection well effective 11/20/86.

C	06280		4303730244	Ratherford Unit Well #18-23	18	41S	24E	NESW	San Juan	DSCR
---	-------	--	------------	-----------------------------	----	-----	-----	------	----------	------

Explanation of action:

Well converted to a water injection well effective 11/17/86

C	06280		4303715840	Ratherford Unit Well #1-44	1	41S	23E	SESE	San Juan	PRDX
---	-------	--	------------	----------------------------	---	-----	-----	------	----------	------

Explanation of action:

Well converted to a water injection well effective 12/15/86

C	06280		4303715842	Ratherford Unit Well #11-44	11	41S	23E	SESE	San Juan	PRDX
---	-------	--	------------	-----------------------------	----	-----	-----	------	----------	------

Explanation of action:

Well converted to a water injection well effective 12/5/86

CC: *GLH*  
(*OTS 2-3-87*)

DIVISION OF  
OIL GAS & MINING

## PRODUCING ENTITY ACTION

Operator Name Phillips Petroleum Company  
Address P. O. Box 2920  
City Casper State Wyoming Zip 82602  
Utah Account No. N0772  
Authorized Signature *Meredith K. Widiker*  
Effective Date December, 1986 Telephone (307) 237-3791

### ACTION CODE

- A Establish new entity for new well(s).
- B Add new well(s) to existing entity.
- C Delete well(s) from existing entity.
- D Establish new entity for well(s) being deleted from existing entity.
- E Change well(s) from one entity to another existing entity.
- F Other. (Specify using attachments if necessary.)

**BRACKET WELLS TO BE GROUPED TOGETHER.**

(Use black ink or typewriter ribbon.)

Action Code	Current Entity No.	New Entity No.	API No.	Well Name	Well Location					Producing Formation
					Sec.	T	R	Q/Q	County	
C	06280		4303715845	Ratherford Unit Well #12-22	12	41S	23E	SENW	San Juan	PRDX

Explanation of action:

Well converted to a water injection well effective 12/30/86.

C	06280		4303715850	Ratherford Unit Well #12-42	12	41S	23E	SENE	San Juan	DSCR
---	-------	--	------------	-----------------------------	----	-----	-----	------	----------	------

Explanation of action:

Well converted to a water injection well effective 12/23/86.

C	06280		4303715726	Ratherford Unit Well #17-12	17	41S	24E	SWNW	San Juan	PRDX
---	-------	--	------------	-----------------------------	----	-----	-----	------	----------	------

Explanation of action:

Well converted to a water injection well effective 12/12/86.

C	06280		4303715862	Ratherford Unit Well #24-31	24	41S	23E	NWNE	San Juan	PRDX
---	-------	--	------------	-----------------------------	----	-----	-----	------	----------	------

Explanation of action:

Well converted to a water injection well effective 12/13/86.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on re-  
verse side)

Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Water Injector		4. LEASE DESIGNATION AND SERIAL NO. 14-20-603-247A	
2. NAME OF OPERATOR Phillips Petroleum Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO	
3. ADDRESS OF OPERATOR P.O. Box 2920, Casper, WY 82602		7. UNIT ASSIGNMENT NAME SW-I-4192	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 560' FNL, 1830' FEL NW NE		8. FARM OR LEASE NAME Ratherford Unit	
API# 43-037-15862		9. WELL NO. 24W31	
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT Greater Aneth	
15. ELEVATIONS (Show whether SF, ST, OR, etc.) 4671' RKB		11. SEC., T., R., N., OR S.W. 1/4 AND SUBSET OR AREA Sec. 24-T41S-R23E	
		12. COUNTY OR PARISH San Juan	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
(Other)	<input type="checkbox"/>	(Other) Convert to water injection	<input checked="" type="checkbox"/>
		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Dec. 3, 1986 through Dec. 11, 1986

MI & RU 12/3/86. COOH w/rods, pump and tbq. CO to 5488'. Set hydromite cap on top of existing bridge plug (BP isolates Zone II). TOC @ 5479', new PBTD. Acidized Zone I w/5800 gal 28% HCL. Swabbed back load. GIH w/injection pkr and Duoline tbq. Set pkr @ 5338'. Conduct UIC test. RD WS 12/11/86. HU to injection 12/13/1986.

Production Before shut down  
Injection After 167 BWPD @ 2150,psi

RECEIVED

AUG 4 1987

DIVISION OF OIL  
GAS & MINING

4-BLM, Farmington, NM	1-Chieftain
2-Utah O&G CC, SLC, UT	1-Mobil Oil
1-M. Williams, B'Ville	1-Texaco, Inc.
1-J. Landrum, Denver	1-Chevron USA
1-J. Reno, Cortez	1-File RC

18. I hereby certify that the foregoing is true and correct

SIGNED D. C. Gill TITLE Area Manager DATE 7/27/87

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE  
(Other instructions on re-  
verse side)

Budget Bureau No. 1004-0135  
Expires August 31, 1985

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER WATER INJECTION & WATER SUPPLY WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME  SW-I-4192
2. NAME OF OPERATOR PHILLIPS PETROLEUM COMPANY		7. UNIT AGREEMENT NAME RATHERFORD UNIT #7960041920
3. ADDRESS OF OPERATOR 152 N. DURBIN, 2ND FLOOR, CASPER, WYOMING 82601		8. FARM OR LEASE NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  <u>SEE ATTACHED</u>		9. WELL NO. VARIOUS (see attached)
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT GREATER ANETH
15. ELEVATIONS (Show whether OF, BT, OR, etc.) OIL, GAS & MINING		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sections 1 thru 30 T41S - R23E & 24E
		12. COUNTY OR PARISH 13. STATE San Juan Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>CHANGE OF OWNERSHIP</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

This is to advise all Water Injection and Water Supply Wells on the Ratherford Unit, listed on the attached sheet, were sold to Phillips Petroleum Company, effective August 1, 1985.

(former Operator - Phillips Oil Company)

3 - BLM, Farmington, NM  
2 - Utah O&G CC, SLC, UT  
1 - File

18. I hereby certify that the foregoing is true and correct

SIGNED S. H. Oden

TITLE District Superintendent

DATE March 17, 1989

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
OIL AND GAS INSPECTION RECORD

*UTC*  
OPERATOR Phillips LEASE \_\_\_\_\_  
WELL NO. R/U 24W31 API 43-037-15862  
SEC. 24 T. N15 R. 23E CONTRACTOR \_\_\_\_\_  
COUNTY S/J FIELD G/A

DRILLING/COMPLETION/WORKOVER:

<input type="checkbox"/> APD	<input type="checkbox"/> WELL SIGN	<input type="checkbox"/> HOUSEKEEPING	<input type="checkbox"/> BOPE
<input type="checkbox"/> SAFETY	<input type="checkbox"/> POLL. CONTROL	<input type="checkbox"/> SURFACE USE	<input type="checkbox"/> PITS
<input type="checkbox"/> OPERATIONS	<input type="checkbox"/> OTHER		

SHUT-IN Y / TA \_\_\_\_\_ :  
Y WELL SIGN \_\_\_\_\_ Y HOUSEKEEPING Y EQUIPMENT\* Y SAFETY  
Y OTHER \_\_\_\_\_

ABANDONED:  
☐ MARKER ☐ HOUSEKEEPING ☐ REHAB. ☐ OTHER

PRODUCTION:  
☐ WELL SIGN ☐ HOUSEKEEPING ☐ EQUIPMENT\* ☐ FACILITIES\*  
☐ METERING\* ☐ POLL. CONTROL ☐ PITS ☐ DISPOSAL  
☐ SECURITY ☐ SAFETY ☐ OTHER

GAS DISPOSITION:  
☐ VENTED/FLARED ☐ SOLD ☐ LEASE USE

LEGEND: Y - YES OR SATISFACTORY  
N - NO OR UNSATISFACTORY  
NA - NOT APPLICABLE

\*FACILITIES INSPECTED: W/H LOC

REMARKS: WIW not injecting

ACTION: \_\_\_\_\_

INSPECTOR: MA

DATE 8/16/89



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Water Injector	5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-247A
2. NAME OF OPERATOR Phillips Petroleum Company	6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribal
3. ADDRESS OF OPERATOR P. O. Box 1150 Cortez, CO 81321	7. UNIT AGREEMENT NAME Ratherford Unit
4. LOCATION OF WELL (Report location clearly and in accordance with applicable State requirements. See also space 17 below.) At surface 560' FNL 1830' FEL NW NE	8. FARM OR LEASE NAME SW-I-4192
14. PERMIT NO. 43-037-15862	9. WELL NO. 24W31
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4671' RKB	10. FIELD AND POOL, OR WILDCAT Greater Aneth
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 24 R23E T41S
	12. COUNTY OR PARISH San Juan
	13. STATE Utah

RECEIVED  
SEP 13 1989

DIVISION OF  
OIL, GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input checked="" type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input checked="" type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)			

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Well is currently shut in due to casing integrity problems. It is proposed to perforate well at 1450', cement around casing shoe set at 1364' from 1450' to 1200' with 38 sx Class "G" cement. A 4" flush joint liner will then be installed from 5482' to surface. The liner will be cemented in two stages with 390 sx Class "G" cement. The well will be drilled out to 5460', and perforated in the following intervals (Zone I): 5395'-5422', 5438'-5442'. The well will be stimulated with 4500 gal 28% HCl acid and returned to injection. Packer will be set at approximately 5350'. A UIC test will be run before the well is put on injection.

A 10' X 8' X 6' fenced pit will be constructed on location in a previously disturbed area. Upon completion of the workover, the pit will be recovered.

- |                     |                        |
|---------------------|------------------------|
| 5 - BLM, Farmington | 1 - Mobil Oil          |
| 2 - Utah O&G CC     | 1 - Texaco, Inc.       |
| 1 - N. Anstine      | 1 - Chevron, USA       |
| 1 - S. H. Oden      | 1 - Cortez Office - RC |
| 1 - Chieftain       | 1 - Houston Office     |

RECEIVED  
SEP 13 1989

18. I hereby certify that the foregoing is true and correct

SIGNED M. L. Menghini  
M. L. Menghini  
(This space for Federal or State office use)

TITLE District Superintendent Accepted by State

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

of Utah Division of  
Oil, Gas and Mining

Date: 9-15-89

By: ADP

Federal Approval of this  
Action is Necessary

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions  
reverse side)

Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER Water Injector

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

P. O. Box 1150, Cortez, CO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

See also space 17 below.  
At surface

560' FNL & 1830' FEL, NE NE

RECEIVED  
OCT 13 1989

DIVISION OF  
OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-247A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

SW-I-4192

8. FARM OR LEASE NAME

Ratherford Unit

9. WELL NO.

24W31

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

11. SEC., T., R., N., OR BLK. AND  
SURVEY OR AREA

Sec 24-T41S-R23E

14. PERMIT NO.

API #43-037-15862

15. ELEVATIONS (Show whether SP, ET, OR, etc.)

4671' RKB

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PLUG OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion or Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

June 19, 1989 Through September 21, 1989

MI & RU Well service unit 6/19/89. Pulled and cleaned plugged injection tbg. Found csg leak between 2101-2627'. Squeezed csg leak w/75 sks Class G w/additives. Squeeze failed. Shut in well 7/1/89.

MI & RU well service unit 9/5/89. Perforated well at 1450' w/4 SPF. Set BP at 1515', set pkr at 1359', pmpd 50 sx Class G w/additives. Rel pkr and cooh w/BP. TIH w/bit and csg scraper to 5482', circ well clean. COOH w/bit & scraper. Installed a 4" flush joint liner from 5482' to surface. Cemented liner in two stages with 414 sx Class G cement w/additives. GIH w/3 1/4" rock bit, 4" csg scraper, & 2-3/8" tbg. Drld out to 5448' and perforated in Zone I intervals, 5396-5404', 5405-5408', 5410-5416', and 5417-5424'. Acidized w/3500 gal 28% HCL w/ additives and balls spaced throughout. ISIP 600 psi, 5 min 160 psi, 10 min 40 psi, 15 min 0 psi. Swbd back load. Circ well clean, COOH w/workstring. PU 4" plastic coated Mtn States pkr and 2-3/8" Rice duo lined tbg. Set pkr at 5315'. Installed new cap on wellhead. Conducted UIC test to 1000 psi for 30 min. RD & MO well service unit 9/21/89 and returned well to injection with a final test of 350 BWPD at 0 psi.

5 - BLM, Farmington

1 - Chieftain

1 - PPCo, Houston

2 - Utah O&GCC

1 - Mobil Oil

1 - PPCo, Cortez - RC

1 - N. Anstine

1 - Texaco, Inc.

1 - S. H. Oden

1 - Chevron, USA

18. I hereby certify that the foregoing is true and correct

SIGNED

S. H. Oden

TITLE District Superintendent

DATE October 11, 1989

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-1133  
Expires September 30, 1990

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well  
☐ Oil Well ☐ Gas Well ☒ Other Water Injector

2. Name of Operator  
Phillips Petroleum Company

3. Address and Telephone No.  
Box 1150, Cortez, CO 81321

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
560' FNL & 1830' FEL, NW NE, Sec. 24-T41S-R23E

5. Lease Designation and Serial No.

14-20-603-247A

6. If Indian, Allottee or Tribe Name

Navajo

7. If Unit or CA, Agreement Designation

SW-I-4192

8. Well Name and No.

Ratherford Unit #24W31

9. API Well No.

43-037-15862

10. Field and Pool, or Exploratory Area

Greater Aneth

11. County or Parish, State

San Juan County, Utah

**12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection

*Clean out well, UIC Test*  
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

April 4, 1990 Through April 6, 1990

MI & RU well service unit 4/4/90. ND WH, NU BOP. Rel 4" Arrow grip pkr and COOH w/173 jts 2-3/8" Rice duolined tbg. GIH w/3-1/4" bit & 4" csg scraper on 2-3/8" workstring. Cleaned out well to PBTD 5445'. COOH w/workstring, scraper, and bit and GIH w/4" Arrow Set I pkr w/on-off tool and 173 jts 2-3/8" Rice duolined tbg, pressure testing tbg to 3000 psi and drifting barrier rings. Set pkr at 5315'. Pumped 80 bbls wtr containing 1/2 drum Well Chem WA-840 pkr fluid. Pressured annulus to 1000 psi for 45 min for UIC test. ND BOP, NU WH. Hooked up well to injection line, MO well service unit, and returned well to injection 4/6/90.

**Distribution:**

5 - BLM, Farmington	1 - Chieftain
2 - Utah O&GCC	1 - Mobil Oil
1 - EPA, Denver	1 - Texaco, Inc.
1 - N. Anstine	1 - Chevron
1 - V. S. Shaw	1 - PPCo, Houston
1 - S. H. Oden	1 - PPCo, Cortez, EC
1 - P. J. Konkell	

14. I hereby certify that the foregoing is true and correct

Signed S.H. Oden S.H. Oden

Title District Microfilm Tendent

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

UIC	
GLH	
DJJ	
BGH	
COMPUTER	
MICROFILM	
FILE	

OIL AND GAS	
DRN	INT
JRS	GLH
DTG	SLS

2-TAS

Date 4/16/90

3- MICROFILM

4- FILE

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
INJECTION WELL INSPECTION RECORD

OPERATOR:

Phillips

LEASE:

Indian

WELL NAME:

R/W 24W31

API:

13-037-15862

SEC/TWP/RNG:

24 41S 23E

CONTRACTOR:

COUNTY:

S/J

FIELD NAME:

AneTh

INJECTION TYPE:

DISPOSAL: \_\_\_\_\_

ENHANCED RECOVERY: X

OTHER: \_\_\_\_\_

SINGLE COMPLETION:

INJECTING: X

SHUT-IN: \_\_\_\_\_

RATE: \_\_\_\_\_

TOTAL BARRELS: \_\_\_\_\_

TUBING PRESSURE: \_\_\_\_\_

CASING PRESSURE: \_\_\_\_\_

SURFACE CASING PRESSURE: \_\_\_\_\_

DUAL COMPLETION:

A. SHORT STRING:

INJECTING: \_\_\_\_\_

SHUT-IN: \_\_\_\_\_

RATE: \_\_\_\_\_

TOTAL BARRELS: \_\_\_\_\_

TUBING PRESSURE: \_\_\_\_\_

CASING PRESSURE: \_\_\_\_\_

B. LONG STRING:

INJECTING: \_\_\_\_\_

SHUT-IN: \_\_\_\_\_

RATE: \_\_\_\_\_

TOTAL BARRELS: \_\_\_\_\_

TUBING PRESSURE: \_\_\_\_\_

CASING PRESSURE: \_\_\_\_\_

REMARKS: \_\_\_\_\_

INSPECTOR: \_\_\_\_\_

ML

DATE: \_\_\_\_\_

11/22/90

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
INJECTION WELL INSPECTION RECORD

✓  
00000000

OPERATOR: PHILLIPS PETROLEUM COMPANY CASE: INDIAN

WELL NAME: 24W31 API: 43-037-15862

SEC/TWP/RNG: 24/41S/23E CONTRACTOR: \_\_\_\_\_

COUNTY: San Juan FIELD NAME: GREATER ANETH

-----  
WELLTYPE-STATUS: INJW  
-----

SINGLE COMPLETION:

INJECTING:   X   SHUT-IN: \_\_\_\_\_

RATE: \_\_\_\_\_ TOTAL BARRELS: \_\_\_\_\_

TUBING PRESSURE: \_\_\_\_\_ CASING PRESSURE: \_\_\_\_\_

SURFACE CASING PRESSURE: \_\_\_\_\_  
-----

DUAL COMPLETION:

A. SHORT STRING:

INJECTING: \_\_\_\_\_ SHUT-IN: \_\_\_\_\_

RATE: \_\_\_\_\_ TOTAL BARRELS: \_\_\_\_\_

TUBING PRESSURE: \_\_\_\_\_ CASING PRESSURE: \_\_\_\_\_

B. LONG STRING:

INJECTING: \_\_\_\_\_ SHUT-IN: \_\_\_\_\_

RATE: \_\_\_\_\_ TOTAL BARRELS: \_\_\_\_\_

TUBING PRESSURE: \_\_\_\_\_ CASING PRESSURE: \_\_\_\_\_  
-----

REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INSPECTOR:                      DATE:   7/9/91

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
INJECTION WELL INSPECTION RECORD



OPERATOR: PHILLIPS PETROLEUM COMPANY  
WELL NAME: 24W31 API: 43-037-15862  
SEC/TWP/RNG: 24/41S/23E CONTRACTOR: \_\_\_\_\_  
COUNTY: San Juan FIELD NAME: GREATER ANETH

-----  
WELLTYPE-STATUS: INJW  
-----  
SINGLE COMPLETION:

INJECTING: y SHUT-IN: \_\_\_\_\_  
RATE: \_\_\_\_\_ TOTAL BARRELS: \_\_\_\_\_  
TUBING PRESSURE: no gauges CASING PRESSURE: \_\_\_\_\_  
SURFACE CASING PRESSURE: \_\_\_\_\_  
-----

DUAL COMPLETION:

A. SHORT STRING:  
INJECTING: \_\_\_\_\_ SHUT-IN: \_\_\_\_\_  
RATE: \_\_\_\_\_ TOTAL BARRELS: \_\_\_\_\_  
TUBING PRESSURE: \_\_\_\_\_ CASING PRESSURE: \_\_\_\_\_

B. LONG STRING:  
INJECTING: \_\_\_\_\_ SHUT-IN: \_\_\_\_\_  
RATE: \_\_\_\_\_ TOTAL BARRELS: \_\_\_\_\_  
TUBING PRESSURE: \_\_\_\_\_ CASING PRESSURE: \_\_\_\_\_  
-----

REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INSPECTOR: AA DATE: 6/3/92

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
INJECTION WELL INSPECTION RECORD



Operator: PHILLIPS PETROLEUM COMPANY: 43-037-15862

Well Name: 24W31 Field Name: GREATER ANETH

SEC/TWP/RNG: 24/41S/23E

County: San Juan

Welltype-Status: INJW

Type of Inspection: Routine MIT Workover Conversion Plugging

Injection Type:

Disposal: \_\_\_\_\_ Enhanced Recovery: Y Other: \_\_\_\_\_

Injecting: Y Shut-In: \_\_\_\_\_

Rate: \_\_\_\_\_ (bpd) Totalizer: \_\_\_\_\_ (bbls)

Guages: Tubing Y

Casing N Casing Pressure: \_\_\_\_\_ (psig)

Tubing Pressure: 2800 (psig) Housekeeping: Y

Equipment Condition: Good

Remarks: \_\_\_\_\_

Inspector: AA

Date: 7/19/93

Time: 850

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

Page 1 of 10

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

ACCOUNT NUMBER: N0772

P J KONKEL  
PHILLIPS PETROLEUM COMPANY  
5525 HWY 64 NBU 3004  
FARMINGTON NM 87401

AUG 16 1993

REPORT PERIOD (MONTH/YEAR):

6 / 93

DIVISION OF  
OIL, GAS & MININGAMENDED REPORT ☐ (Highlight Changes)

Well Name					Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location						OIL(BBL)	GAS(MCF)	WATER(BBL)
#21-23										
4303713754	06280	41S	24E	21	DSCR	POW	29	1374	883	58
#3-44										
4303715031	06280	41S	24E	3	DSCR	POW	30	111	94	2905
#3-14										
4303715124	06280	41S	24E	3	DSCR	POW	30	67	23	302
#9-12										
4303715126	06280	41S	24E	9	DSCR	POW	30	112	654	17363
#9-14										
4303715127	06280	41S	24E	9	DSCR	POW	30	201	315	423
#28-12										
4303715336	06280	41S	24E	28	PRDX	POW	29	112	47	2428
#29-12										
4303715337	06280	41S	24E	29	PRDX	POW	29	56	0	672
#29-32										
4303715339	06280	41S	24E	29	DSCR	POW	29	1402	287	2224
#29-34										
4303715340	06280	41S	24E	29	DSCR	POW	29	757	48	0
#30-32										
4303715342	06280	41S	24E	30	DSCR	POW	29	588	1049	3744
#3-12										
4303715620	06280	41S	24E	3	DSCR	POW	30	268	11	363
#9-34										
4303715711	06280	41S	24E	9	DSCR	POW	30	45	46	9800
#10-12										
4303715712	06280	41S	24E	10	DSCR	POW	30	45	23	1088
TOTALS								5138	3480	41370

COMMENTS: Effective July 1, 1993, Phillips Petroleum Company has sold its interest in the Ratherford Unit to Mobil Exploration and Producing U.S., Incorporated, P. O. Box 633, Midland, Texas 79702. Mobil assumed operations on July 1, 1993.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 8/11/93

Name and Signature: PAT KONKEL

*Pat Konkell*

Telephone Number: 505 599-3452



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

Page 1 of 1

## MONTHLY OIL AND GAS DISPOSITION REPORT

OPERATOR NAME AND ADDRESS:

*L B Sheffield*  
 BRIAN BERRY  
 M E P N A MOBIL  
 POB 219031-1807A RENTWY P.O. DRAWER 6  
 DALLAS TX 75221-9031 CORTEZ, Co. 81321

UTAH ACCOUNT NUMBER: N7370REPORT PERIOD (MONTH/YEAR): 7 / 93AMENDED REPORT ☐ (Highlight Changes)*\*931006 updated.  
file*

ENTITY NUMBER	PRODUCT	GRAVITY	BEGINNING INVENTORY	VOLUME PRODUCED	DISPOSITIONS				ENDING INVENTORY
		BTU			TRANSPORTED	USED ON SITE	FLARED/VENTED	OTHER	
05980	OIL			177609	177609	0			
	GAS			72101	66216	5885			
11174	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
TOTALS				249710	243825	5885			

COMMENTS:

*PLEASE NOTE ADDRESS change. Mobil ~~also~~ PRODUCTION REPORTS  
 will be compiled and sent from the Cortez, Co. office  
 IN THE FUTURE.*

I hereby certify that this report is true and complete to the best of my knowledge.

Name and Signature:

*L B Sheffield*

Date:

*9/5/93*

Telephone Number:

*303.565.2212  
 244.558.2528*

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)		5. LEASE DESIGNATION & SERIAL NO.  6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO TRIBAL  7. UNIT AGREEMENT NAME RATHERFORD UNIT  8. FARM OR LEASE NAME  9. WELL NO.
1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> 2. NAME OF OPERATOR MOBIL OIL CORPORATION 3. ADDRESS OF OPERATOR P. O. BOX 633 MIDLAND, TX 79702	<div style="border: 1px solid black; padding: 5px; display: inline-block;">             RECEIVED              SEP 13 1993              DIVISION OF              OIL, GAS &amp; MINING           </div>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  At proposed prod. zone	10. FIELD AND POOL, OR WILDCAT GREATER ANETH  11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
14. API NO.	15. ELEVATIONS (Show whether OF, RT, GR, etc.)	12. COUNTY SAN JUAN  13. STATE UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>CHANGE OF OPERATOR</u> <input type="checkbox"/>	
APPROX. DATE WORK WILL START _____ (Other)		DATE OF COMPLETION _____ (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

\* Must be accompanied by a cement verification report.

AS OF JULY1, 1993, MOBIL OIL CORPORATION IS THE OPERATOR OF THE RATHERFORD UNIT.  
 ATTACHED ARE THE INDIVIDUAL WELLS.

18. I hereby certify that the foregoing is true and correct

SIGNED <u>Shirley Todd</u>	TITLE <u>ENV. &amp; REG TECHNICIAN</u>	DATE <u>9-8-93</u>
(This space for Federal or State office use)		
APPROVED BY _____	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		

See Instructions On Reverse Side

✓19W-21	43-037-15741	14-20-603-353	SEC. 19, T41S, R24E	NE/NW 660' FNL 1860' FWL
✓19-22	43-037-31046	14-20-603-353	SEC. 19, T41S, R24E	SE/NW 1840' FNL; 1980' FWL
✓19W-23	43-037-15742	14-20-603-353	SEC. 19, T41S, R24E	NE/SW 2080' FSL; 1860' FWL
✓19-31	43-037-31047	14-20-603-353	SEC. 19, T41S, R24E	NW/NE 510' FNL; 1980' FEL
✓19-32	43-037-15743	14-20-603-353	SEC. 19, T41S, R24E	SW/NE 1980' FNL; 1980' FEL
✓19-33	43-037-31048	14-20-603-353	SEC. 19, T41S, R24E	NW/SE 1980' FSL; 1980' FEL
✓19-34	43-037-15744	14-20-603-353	SEC. 19, T41S, R24E	SW/SE 660' FSL; 1980' FEL
✓19W-41	43-037-15745	14-20-603-353	SEC. 19, T41S, R24E	NE/NE 660' FNL; 660' FEL
✓19-42	43-037-30916	14-20-603-353	SEC. 19, T41S, R24E	SE/NE 1880' FNL, 660' FEL
✓19W-43	43-037-16420	14-20-603-353	SEC. 19, T41S, R24E	NE/SE 1980' FSL; 760' FEL
✓19-44	43-037-31081	14-20-603-353	SEC. 19, T41S, R24E	SE/SE 660' FSL; 660' FEL
✓19-97	43-037-31596	14-20-603-353	SEC. 19, T41S, R24E	2562' FNL, 30' FEL
✓20-11	43-037-31049	14-20-603-353	SEC. 20, T41S, R24E	NW/NW 500' FNL; 660' FWL
✓20-12	43-037-15746	14-20-603-353	SEC. 20, T41S, R24E	1980' FNL, 660' FWL
✓20-13	43-037-30917	14-20-603-353	SEC. 20, T41S, R24E	NW/SW 2140' FSL, 500' FWL
✓20-14	43-037-15747	14-20-603-353	SEC. 20, T41S, R24E	660' FSL; 660' FWL
✓20W-21	43-037-16423	14-20-603-353	SEC. 20, T41S, R24E	660' FNL; 1880' FWL
✓20-22	43-037-30930	14-20-603-353	SEC. 20, T41S, R24E	SE/NW 2020' FNL; 2090' FWL
✓20W-23	43-037-15748	14-20-603-353	SEC. 20, T41S, R24E	NW/SW 2080; 2120' FWL
✓20-24	43-037-30918	14-20-603-353	SEC. 20, T41S, R24E	SE/SW 820' FSL; 1820' FWL
✓20-31	43-037-31050	14-20-603-353	SEC. 20, T41S, R24E	NW/NE 660' FNL; 1880' FEL
✓20-32	43-037-15749	14-20-603-353	SEC. 20, T41S, R24E	SW/NE 1980' FNL, 1980' FEL
✓20-33	43-037-30931	14-20-603-353	SEC. 20, T41S, R24E	NW/SE 1910' FSL; 2140' FEL
✓20-34	43-037-15750	14-20-603-353	SEC. 20, T41S, R24E	660' FSL; 1850' FEL
✓20W-41	43-037-15751	14-20-603-353	SEC. 20, T41S, R24E	NE/NE 660' FNL; 660' FEL
✓20-42	43-037-31051	14-20-603-353	SEC. 20, T41S, R24E	SE/NE 1980' FNL; 660' FEL
✓20W-43	43-037-16424	14-20-603-353	SEC. 20, T41S, R24E	2070' FSL; 810' FEL
✓20-44	43-037-30915	14-20-603-353	SEC. 20, T41S, R24E	SE/SE 620' FSL; 760' FEL
✓20-66	43-037-31592	14-20-603-353	SEC. 20, T41S, R24E	SW/NW 1221' FWL; 1369' FNL
✓21-11	43-037-31052	14-20-603-355	SEC. 21, T41S, R24E	NW/NW 660' FNL; 660' FWL
✓21-12	43-037-15752	14-20-603-355	SEC. 21, T41S, R24E	2080' FNL; 660' FWL
✓21-13	43-037-30921	14-20-603-355	SEC. 21, T41S, R24E	NW/SW 2030' FSL; 515' FWL
✓21-14	43-037-15753	14-20-603-355	SEC. 21, T41S, R24E	SW/SW 660' FSL; 460' FWL
✓21W-21	43-037-16425	14-20-603-355	SEC. 21, T41S, R24E	NE/NW 660' FNL; 2030' FWL
✓21-32	43-037-15755	14-20-603-355	SEC. 21, T41S, R24E	SW/NE 1880' FNL; 1980' FEL
✓21-33	NA	14-20-603-355	SEC. 21, T41S, R24E	2000' FSL; 1860' FEL
✓21-34	43-037-15756	14-20-603-355	SEC. 21, T41S, R24E	SW/SE 660' FSL; 1980' FEL
✓21W-41	43-037-16426	14-20-603-355	SEC. 21, T41S, R24E	660' FNL; 810' FEL
✓21W-43	43-037-16427	14-20-603-355	SEC. 21, T41S, R24E	NE/NE 1980' FSL; 660' FEL
✓24-11	43-037-15861	14-20-603-247A	SEC. 24, T41S, R24E	510' FNL; 810' FWL
✓24W-21	43-037-16429	14-20-603-247	SEC. 24, T41S, R24E	4695' FSL; 3300' FEL
✓24W-43	43-037-16430	14-20-603-247	SEC. 24, T41S, R24E	2080' FSL; 660' FEL
✓24-31W	43-037-15862	14-20-603-247A	SEC. 24, T41S, R24E	NW/NE 560' FNL; 1830' FEL
✓24-32	43-037-31593	14-20-603-247A	SEC. 24, T41S, R24E	SW/NE 2121' FNL; 1846' FEL
✓24-41	43-037-31132	14-20-603-247A	SEC. 24, T41S, R24E	NE/NE 660' FNL; 710' FEL
✓24W-42	43-037-15863	14-20-603-247A	SEC. 24, T41S, R24E	660' FSL; 1980' FNL
✓28-11	43-037-30446	14-20-603-409	SEC. 28, T41S, R24E	NW/NW 520' FNL; 620' FWL
✓28-12	43-037-15336	14-20-603-409B	SEC. 28, T41S, R24E	SW/SE/NW 2121' FNL; 623' FWL
✓29-11	43-037-31053	14-20-603-407	SEC. 29, T41S, R24E	NW/NW 770' FNL; 585' FWL
✓29W-21	43-037-16432	14-20-603-407	SEC. 29, T41S, R24E	NE/NW 667' FNL; 2122' FWL
✓29-22	43-037-31082	14-20-603-407	SEC. 29, T41S, R24E	SE/NW 2130' FNL; 1370' FWL
✓29W-23	43-037-15338	14-20-603-407	SEC. 29, T41S, R24E	NE/SW 1846' FSL; 1832' FWL
✓29-31	43-037-30914	14-20-603-407	SEC. 29, T41S, R24E	NW/NE 700' FNL; 2140' FEL
✓29-32	43-037-15339	14-20-603-407	SEC. 29, T41S, R24E	1951' FNL; 1755' FEL
✓29-33	43-037-30932	14-20-603-407	SEC. 29, T41S, R24E	NW/SE 1860' FSL; 1820' FEL
✓29-34	43-037-15340	14-20-603-407	SEC. 29, T41S, R24E	817' FSL; 2096' FEL
✓29W-41	43-037-16433	14-20-603-407	SEC. 29, T41S, R24E	557' FNL; 591' FEL
✓29W-42	43-037-30937	14-20-603-407	SEC. 29, T41S, R24E	SE/NE 1850' FNL; 660' FEL
✓29W-43	43-037-16434	14-20-603-407	SEC. 29, T41S, R24E	NE/SE 1980' FSL; 660' FEL
✓30-21W	43-037-16435	14-20-603-407	SEC. 30, T41S, R24E	660' FNL; 1920' FWL
✓30-32	43-037-15342	14-20-603-407	SEC. 30, T41S, R24E	SW/NE 1975' FNL; 2010' FEL
✓30W-41	43-037-15343	14-20-603-407	SEC. 30, T41S, R24E	NE/NE 660' FNL; 660' FEL
✓9-34	NA 4303715711	NA 14206034043	NA SEC. 9, T. 41S, R. 24E	NA SW/SE 660' FSL 1980' FEL
✓12-43	43-037-31202	14-20-603-246	SEC. 12, T41S, R23E	2100' FSL; 660' FEL
✓12W31	43-037-15847	14-20-603-246	SEC. 12, T41S, R23E	661' FNL; 1981' FEL
✓13W24	43-037-15853	14-20-603-247	SEC. 13, T41S, R23E	SE/SW 660' FSL; 3300' FEL
✓15W23	43-037-16412	14-20-603-355	SEC. 15, T41S, R24E	2140' FSL; 1820' FWL
✓17-24	43-037-31044	14-20-603-353	SEC. 17, T41S, R24E	SE/SW 720' FSL; 1980' FWL
✓18-13	43-037-15734	14-20-603-353	SEC. 18, T41S, R24E	NW/NW 1980' FSL; 500' FWL
✓18W32	43-037-15736	14-20-603-353	SEC. 18, T41S, R24E	SW/NE 2140' FNL; 1830' FEL
✓20-68	43-037-31591	14-20-603-353	SEC. 20, T41S, R24E	NW/SW 1276' FWL; 1615' FSL
✓21-23	43-037-13754	14-20-603-355	SEC. 21, T41S, R24E	NE/SW 1740' FSL 1740' FWL
✓28W21	43-037-16431	14-20-603-409	SEC. 29, T41S, R24E	660' FNL; 2022' FWL

PAID

PAID

PAID

PAID

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

OCT 25 1993

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: _____	
Field or Unit name: <u>RATHERFORD UNIT</u>	API no. _____
Well location: QQ _____ section _____ township _____ range _____ county _____	
Effective Date of Transfer: <u>July 1, 1993</u>	
<b>CURRENT OPERATOR</b>	
Transfer approved by:	
Name <u>Ed Hasely</u>	Company <u>Phillips Petroleum Company</u>
Signature <u>Ed Hasely</u>	Address <u>5525 HWY. 64</u>
Title <u>Environmental Engineer</u>	<u>Farmington, NM 87401</u>
Date <u>October 22, 1993</u>	Phone ( <u>505</u> ) <u>599-3460</u>
Comments:	
<b>NEW OPERATOR</b>	
Transfer approved by:	
Name <u>Shirley Todd</u>	Company <u>Mobil Exploration &amp; Producing North America</u>
Signature <u>Shirley Todd</u>	Address <u>P O Box 633</u>
Title <u>Env. &amp; Reg. Technician</u>	<u>Midland, TX 79702</u>
Date <u>October 7, 1993</u>	Phone ( <u>915</u> ) <u>688-2585</u>
Comments:	
(State use only)	
Transfer approved by <u>[Signature]</u>	Title <u>TEC Manager</u>
Approval Date <u>10-27-93</u>	

Lisha Cordova (801) 538-5340

BEFORE THE OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF UTAH

APPLICATION OF PHILLIPS PETROLEUM )  
 COMPANY FOR THE APPROVAL OF THE )  
 UNIT OPERATIONS AND PRESSURE MAIN- ) CAUSE NO. 63  
 TENANCE PROGRAM FOR THE RATHERFORD )  
 UNIT IN THE GREATER ANETH AREA, )  
 SAN JUAN COUNTY, UTAH )

ORDER

This Cause came on for hearing before the Oil and Gas Conservation Commission of the State of Utah at 10 o'clock a. m. on Wednesday, September 13, 1961, in the Crystal Room, Hotel Newhouse, Fourth South at Main Street, Salt Lake City, Utah, pursuant to notice duly and regularly given. The entire Commission, except Walter G. Mann, was present, Edward W. Clyde presiding. Appearances were made as follows: Cecil C. Hamilton, attorney, on behalf of Phillips Petroleum Company; Clair M. Senior, attorney, on behalf of Texaco, Inc.; Gordon Mayberry, attorney, on behalf of Continental Oil Company; R. R. Robison on behalf of Shell Oil Company. Others present included Carl Trawick, on behalf of United States Geological Survey; and J. R. White, on behalf of Texaco, Inc.

Evidence in support of the application was introduced by Phillips Petroleum Company, the applicant and Unit Operator of the Ratherford Unit, which embraces as the unit area the following described land in San Juan County, State of Utah, to wit:

TOWNSHIP 41 SOUTH, RANGE 23 EAST, SLNM

Section 1:	All	Sections 12 and 13:	All
Section 2:	S/2	Section 14:	S/2
Section 11:	S/2	Section 24:	All

TOWNSHIP 41 SOUTH, RANGE 24 EAST, SLNM

Section 3:	SW/4	Sections 15	All
Section 4:	S/2	through 21:	NW/4 and
Sections 5 through 9:	All	Section 22:	S/2 of the
Section 10:	S/2 and NE/4		SW/4
	and S/2 of NE/4	Section 23:	NE/4 and
Section 11:	S/2 of SW/4		S/2 of NE/4
			and S/2 of SW/4
Section 14:	S/2	Section 29 and 30:	All
		Section 31:	S/2
		Section 32:	S/2

R. R. Robison on behalf of Shell Oil Company stated that (as contemplated by paragraph No. 5 of the Commission's order of February 24, 1959, in Cause No. 17 authorizing the drilling of certain test wells) Shell would submit to the Commission, as arbiter, the question as between Shell and Superior Oil Company

of the monetary value, if any, to be attributed to three test wells drilled within the Ratherford Unit area pursuant to said order of February 24, 1959.

No objection to the granting of the application was filed or expressed. The Shell Oil Company, Texaco, Inc. and Continental Oil Company expressed their support of the application of Phillips Petroleum Company.

#### FINDINGS OF FACT

The Commission finds that:

1. The unitized operation of the Ratherford Unit Area will enable pressure maintenance operations to be initiated and permit such Area to be operated in a manner which will prevent waste, protect correlative rights and result in greater ultimate recovery of oil and gas.

2. The Ratherford Unit Agreement has been approved by the various signatory parties as fair, reasonable and acceptable.

3. The water injection pressure maintenance program proposed by the applicant appears to be proper and designed to result in the greatest economic recovery of oil and gas to the end that all concerned, including the general public, may realize and enjoy the greatest good from the oil and gas resources of the unitized lands.

#### ORDER

THEREFORE, IT IS ORDERED BY THE COMMISSION, and subject to its continuing jurisdiction, that:

1. Unit operation of the Ratherford Unit Area under the Ratherford Unit Agreement is approved.

2. The plan and program of water injection pressure maintenance operations proposed by applicant in its application filed herein should be and the same is hereby approved and the unit operator is authorized to proceed with and under such plan and program as soon as the Ratherford Unit Agreement becomes effective and operative.

3. If, at any time or from time to time, it appears necessary or desirable to the unit operator to alter or modify the hereby approved plan of pressure maintenance, any such alteration or modification shall be submitted for

and shall be subject to approval by the Commission or its delegated representative, which approval may be given without notice or hearing, unless otherwise ordered or directed by the Commission.

Dated this 13th day of September, 1961.

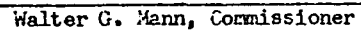
THE OIL AND GAS CONSERVATION  
COMMISSION OF THE STATE OF UTAH

  
Edward W. Clyde, Commissioner presiding

  
C. R. Henderson, Chairman

  
M. V. Hatch, Commissioner

  
C. S. Thomson, Commissioner

  
Walter G. Mann, Commissioner

Sept 29, 1993

TO: Lisha Cordova - Utah Mining  
Oil & Gas

FROM: Janice Easley  
BLM Farmington, NM  
505 599-6355

Here is Copy of Rutherford Unit  
Successor Operator,

4 pages including this one.



*26. Ratherford Unit (GC)*

RECEIVED  
BLM

JUL 27 AM 11:44

070 FARMINGTON, NM

Navajo Area Office  
P. O. Box 1060  
Gallup, New Mexico 87305-1060

ARES/543

JUL 26 1993

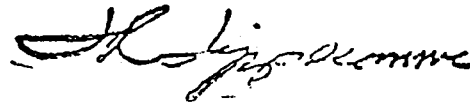
Mr. G. D. Cox  
Mobil Exploration and  
Producing North America, Inc.  
P. O. Box 633  
Midland, Texas 79702

Dear Mr. Cox:

Enclosed for your information and use is the approved Designation of Operator between the Phillips Petroleum Company and Mobil Exploration and Producing North America, Inc. for the Ratherford Unit.

Please note that all other concerned parties will be furnished their copy of the approved document.

Sincerely,



ACTING Area Director

Enclosure

cc: Bureau of Land Management, Farmington District Office w/enc.  
TNN, Director, Minerals Department w/enc.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF INDIAN AFFAIRS

DESIGNATION OF OPERATOR

RECEIVED  
BLM

Phillips Petroleum Company is, on the records of the Bureau of Indian Affairs, operator of the Ratherford Unit,

AREA OFFICE: Window Rock, Arizona  
LEASE NO: Attached hereto as Exhibit "A"

070 FARMINGTON, NM

and, pursuant to the terms of the Ratherford Unit Agreement, is resigning as Unit Operator effective July 1, 1993, and hereby designates

NAME: Mobil Exploration and Producing North America Inc., duly elected pursuant to the terms of the Ratherford Unit Agreement,

ADDRESS: P. O. Box 633, Midland, Texas 79702  
Attn: G. D. Cox

as Operator and local agent, with full authority to act on behalf of the Ratherford Unit lessees in complying with the terms of all leases and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160 and 25 CFR 211 and 212) with respect to (described acreage to which this designation is applicable):

Attached hereto as Exhibit "A"

Bond coverage under 25 CFR 211, 212 or 225 for lease activities conducted by the above named designated operator is under Bond Number 05202782 (attach copy). Evidence of bonding is required prior to the commencement of operations.

It is understood that this designation of operator does not relieve any lessee of responsibility for compliance with the terms of the leases and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the leases.

In case of default on the part of the designated operator, the lessees will make full and prompt compliance with all regulations, lease terms, stipulations, or orders of the Secretary of the Interior or his representative.

Attached is the appropriate documentation relevant to this document.

The designated operator agrees to promptly notify the authorized officer of any change in the operatorship of said Ratherford Unit.

Phillips Petroleum Company

June 17, 1993

By: M. B. [Signature]  
Attorney-in-Fact

Mobil Exploration and Producing  
North America Inc.

June 11, 1993

By: B. D. Martiny  
Attorney-in-Fact B.D. MARTINY

[Signature] ACTING AREA DIRECTOR  
APPROVED BY TITLE DATE  
7/9/93

APPROVED PURSUANT, TO SECRETARIAL REDELEGATION ORDER 209 DM 8 AND 230 DM 3.

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and therefore does not require OMB approval.

## EXHIBIT "A"

ATTACHED TO AND MADE A PART OF DESIGNATION OF SUCCESSOR OPERATOR, RATHERFORD UNIT

## EXHIBIT "C"

Revised as of September 29, 1992  
SCHEDULE OF TRACT PERCENTAGE PARTICIPATION

<u>Tract Number</u>	<u>Description of Land</u>	<u>Serial Number and Effective Date of Lease</u>	<u>Tract Percentage Participation</u>
1	S/2 Sec. 1, 2/2 SE/4 Sec. 2, E/4 Sec. 11, and all of Sec. 12, T-41-S, R-23-E, S.L.M., San Juan County, Utah	14-20-603-246-A Oct. 5, 1953	11.0652565
2	SE/4 and W/2 SW/4 Sec. 5, the irregular SW/4 Sec. 6, and all of Sec. 7 and 8, T-41-S, R-24-E, San Juan County, Utah	14-20-603-368 Oct. 26, 1953	14.4159942
3	SW/4 of Sec. 4, T-41-S, R-24-E, San Juan County, Utah	14-20-603-5446 Sept. 1, 1959	.5763826
4	SE/4 Sec. 4, and NE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah	14-20-603-4035 March 3, 1958	1.2587779
5	SW/4 of Sec. 3, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5445 Sept. 3, 1959	.4667669
6	NW/4 of Sec. 9, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5045 Feb. 4, 1959	1.0187043
7	NW/4, W/2 NE/4, and SW/4 Sec. 10, SE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah	14-20-603-4043 Feb. 18, 1958	3.5097575
8	SW/4 Sec. 9, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5046 Feb. 4, 1959	1.1141679
9	SE/4 Sec. 10 and S/2 SW/4 Sec. 11 T-41-S, R-24-E, San Juan County, Utah	14-20-603-4037 Feb. 14, 1958	2.6186804
10	All of Sec. 13, E/2 Sec. 14, and E/2 SE/4 and N/2 Sec. 24, T-41-S, R-23-E, S.L.M., San Juan County, Utah	14-20-603-247-A Oct. 5, 1953	10.3108861
11	Sections 17, 18, 19 and 20, T-41-S, R-24-E, San Juan County Utah	14-20-603-353 Oct. 27, 1953	27.3389265
12	Sections 15, 16, 21, and NW/4, and W/2 SW/4 Sec. 22, T-41-S, R-24-E, San Juan County, Utah	14-20-603-355 Oct. 27, 1953	14.2819339
13	W/2 Section 14, T-41-S, R-24-E, San Juan County, Utah	14-20-603-370 Oct. 26, 1953	1.8500847
14	N/2 and SE/4, and E/2 SW/4 Sec. 29, NE/4 and E/2 SE/4 and E/2 W/2 irregular Sec. 30, and E/2 NE/4 Sec. 32, T-41-S, R-24-E, San Juan County, Utah	14-20-603-407 Dec. 10, 1953	6.9924969
15	NW/4 Sec. 28, T-41-S, R24-E San Juan County, Utah	14-20-603-409 Dec. 10, 1953	.9416393
16	SE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6504 July 11, 1961	.5750254
17	NE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6505 July 11, 1961	.5449292
18	NW/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6506 July 11, 1961	.5482788
19	NE/4 Sec. 4, T-41-S, R24-E San Juan County, Utah	14-20-0603-7171 June 11, 1962	.4720628
20	E/2 NW/4 Sec. 4, T-41-S, R-24-E San Juan County, Utah	14-20-0603-7172 June 11, 1962	.0992482

Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ Well File \_\_\_\_\_

☐ Suspense  
(Return Date) \_\_\_\_\_  
(To - Initials) \_\_\_\_\_

☒ Other  
OPERATOR CHANGE

(Location) Sec\_\_\_\_Twp\_\_\_\_Rng\_\_\_\_

(API No.) \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

1. Date of Phone Call: 10-6-93 : Time: 9:30

2. DOGM Employee (name) L. CORDOVA (Initiated Call ☒  
Talked to:

Name GLEN COX (Initiated Call ☐ - Phone No. (915 )688-2114

of (Company/Organization) MOBIL

3. Topic of Conversation: OPERATOR CHANGE FROM PHILLIPS TO MOBIL "RATHERFORD UNIT".  
(NEED TO CONFIRM HOW OPERATOR WANTS THE WELLS SET UP - MEPNA AS PER BIA APPROVAL  
OR MOBIL OIL CORPORATION AS PER SUNDRY DATED 9-8-93?)

4. Highlights of Conversation: \_\_\_\_\_

MR. COX CONFIRMED THAT THE WELLS SHOULD BE SET UNDER ACCOUNT N7370/MEPNA AS  
PER BIA APPROVAL, ALSO CONFIRMED THAT PRODUCTION & DISPOSITION REPORTS WILL NOW  
BE HANDLED OUT OF THEIR CORTEZ OFFICE RATHER THAN DALLAS.

MEPNA-

PO DRAWER G

CORTEZ, CO 81321

(303)565-2212

\*ADDRESS CHANGE AFFECTS ALL WELLS CURRENTLY OPERATED BY MEPNA, CURRENTLY  
REPORTED OUT OF DALLAS (MCELMO CREEK).

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1	VLC/7-93
2	DPG/58-93
3	VLC
4	RJF
5	DPG
6	PL

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☒ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 7-1-93)

TO (new operator) <u>M E P N A</u>	FROM (former operator) <u>PHILLIPS PETROLEUM COMPANY</u>
(address) <u>PO DRAWER G</u>	(address) <u>5525 HWY 64 NBU 3004</u>
<u>CORTEZ, CO 81321</u>	<u>FARMINGTON, NM 87401</u>
<u>GLEN COX (915)688-2114</u>	<u>PAT KONKEL</u>
phone <u>(303) 565-2212</u>	phone <u>(505) 599-3452</u>
account no. <u>N7370</u>	account no. <u>N0772(A)</u>

Well(s) (attach additional page if needed):

**\*RATHERFORD UNIT (NAVAJO)**

Name: <b>**SEE ATTACHED**</b>	API: <u>43037-15862</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- Sec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Reg. 8-20-93) (6/93 Prod. Rpt. 8-16-93)
- Sec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Reg. 8-31-93) (Rec'd 9-14-93)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_
- Sec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (0.6 wells 10-6-93) (Wiw's 10-26-93)
- Sec 6. Cardex file has been updated for each well listed above. (0.6 wells 10-6-93) (Wiw's 10-26-93)
- Sec 7. Well file labels have been updated for each well listed above. (0.6 wells 10-6-93) (Wiw's 10-26-93)
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (10-6-93)
- Sec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

### ENTITY REVIEW

- ☒ 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

### BOND VERIFICATION (Fee wells only)

- ☒ 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A 2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no)   . Today's date                      19  . If yes, division response was made by letter dated                      19  .

### LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated                      19  , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

### FILMING

- ☒ 1. All attachments to this form have been microfilmed. Date: 11.17 1993.

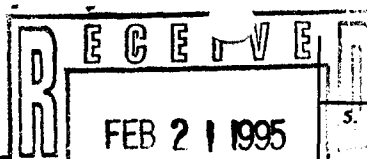
### FILING

- ☒ 1. Copies of all attachments to this form have been filed in each well file.
- ☒ 2. The original of this form and the original attachments have been filed in the Operator Change file.

### COMMENTS

931006 BIA/Bm Approved 7-9-93.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals

DIV OF OIL, GAS & MINING

5. Lease Designation and Serial No.

14-20-603-247A

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation  
RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 24-31

9. API Well No.

43-037-15862

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well

☐ Gas Well

☒ Other

INJECTION

2. Name of Operator

Mobil Exploration & Producing U.S. Inc.  
as Agent for Mobil Producing TX & NM Inc.

3. Address and Telephone No.

P.O. Box 633, Midland, TX 79702 (915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

560' FNL, 1830 FEL  
SEC. 24, T41S, R24E  
23E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION



Notice of Intent



Subsequent Report



Final Abandonment Notice

TYPE OF ACTION



Abandonment



Recompletion



Plugging Back



Casing Repair



Altering Casing



Other

WORKOVER



Change of Plans



New Construction



Non-Routine Fracturing



Water Shut-Off



Conversion to Injection



Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

SEE ATTACHMENT

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

14. I hereby certify that the foregoing is true and correct

Signed

Shirley Robertson

Title

SHIRLEY ROBERTSON

Date

2-16-95

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\* See instruction on Reverse Side

## RATHERFORD UNIT 24-31

WORKOVER PROCEDURE

1. Lock and tag out all power sources. Check WHP. If well is not dead, RU pump and pump lines to injection head. Bullhead 40 bbls of 10 ppg brine into well to kill well.
2. MI workover rig. Bleed off casing pressure. ND injection head. NU and PT BOP's to 3000 psi high and 250 psi low. RU line from 4" casing annulus to flat bottom tank. Install adjustable choke in line.
3. Release Arrow Set 1 packer at 5315' by picking up to neutral and rotating 1-1/2 turns of the 2-3/8" tubing to the right at surface and then slacking off. Packer was set with 16,000 lbs compression and there is fresh water on backside. Circulate hole with kill weight brine (lease water or 10 ppg, whichever is required).
4. POH with 2-3/8", 4.7 lb/ft Duoline injection tubing standing tubing back in derrick. Lay down Arrow Set 1 packer. RIH with 3-7/8" rock bit and casing scraper for 4", 11.6 lb/ft casing on 2-3/8" injection tubing and CO to PBTD of 5445'. POH.
5. RIH with packer on 2-3/8" injection tubing string. Set squeeze packer at 5310' and PT 4" casing to 2000 psi for 30 minutes ( 5 percent leakoff or less is acceptable). Release squeeze packer. If PT OK then POH laying down 2-3/8" injection tubing, installing thread protectors while laying down tubing. Contact Ed Barber in Aneth on where to send 2-3/8" Duoline injection tubing. Go to Step No. 7.
6. If PT not OK, locate casing leak and POH. RIH with RBP, 2 jts of 2-3/8" tubing, and squeeze packer on 2-3/8" tubing. Set RBP +/- 100' below leak. Set squeeze packer below leak and PT RBP to 2000 psi. Dump 200 lbs sand on top of RBP and pump to bottom. Wait 1 hour for sand to fall. Reverse out workstring. RIH and tag top of sand to confirm +/- 10' sand on top of RBP. PU and set tubing tail +/- 100' above location of casing leak. Set squeeze packer and space out for 15,000 lbs weight. Pressure backside to 1000 psi and monitor. Establish injection rate of 1-2 BPM using fresh water. Mix and pump 100 sxs of class B standard cement with 2 % CaCL for a pump time of +/- 3 hours, followed by 5 bbls fresh water spacer and kill weight brine. Displace top of slurry to end of tailpipe or to a maximum injection pressure of 2500 psi. Stage squeeze last 4 bbls of cement as necessary to obtain a final squeeze pressure of at least 2000 psi. Release squeeze packer and reverse out. POH. WOC for 12 hours. CO with bit and scraper, PT casing again and resqueeze as necessary. Retrieve RBP and POH laying down 2-3/8" injection string.
7. RIH with Guiberson 4" G-6 packer on 2-3/8", 4.7 lb/ft fluorolined J-55 EUE 8rd KCTS tubing to 5300'. All new KCTS 2-3/8" tubing to be torque turned to 2040 ft-lbs and made up using Seallube. Brian Nelson with Threadmasters at 915/550-6342 to be on location while running tubing.



8. ND BOP's. Install injection head. Reverse circulate kill weight packer fluid containing 1 percent by volume of Tretolite CRW137 corrosion inhibitor/oxygen scavenger.
9. Space out for 15,000 lbs compression at surface and set packer At +/- 5300'. NU and land injection head. RDMD workover rig.
10. Perform Mechanical Integrity Test (MIT) for EPA. Contact Jim Walker of the Navajo EPA in Shiprock at 505/268-1040 to witness. Use chart recorder to record test. Send copies of chart to Shirley Todd, Midland - 1206 MOB, Ed Barber, Aneth, and Aneth files. Fill out Utah tax credit form and send to Tiny Higman, Cortez office. After obtaining an acceptable MIT, place well on water injection on maximum choke.

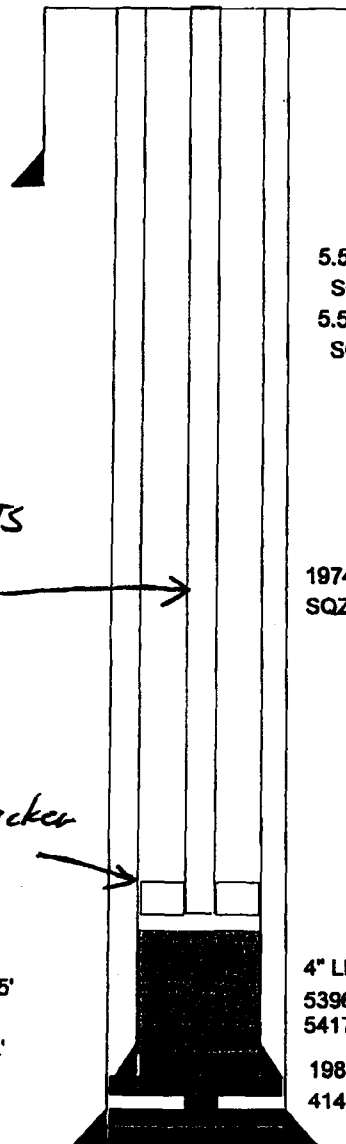
RATHERFORD UNIT 24-31  
 GREATER ANETH FIELD  
 NWNE SEC 12 T41S R23E  
 SAN JUAN COUNTY, UTAH  
 API 43-037-15862  
 PRISM 0042990

WIW

3-1-94 634 BWIPD

PROPOSED

GL 4660' KB 4671'



11" HOLE 1364'  
 8.625" 24# J55  
 CMT DATA N/A

5.5" CSG SQZ HOLES 1989 4 SPF 1450'  
 SQZD W/75 SX  
 5.5" CSG LEAK 1989 2101-2627'  
 SQZD W/75 SX, DID NOT HOLD

*2-3/8" 4.7 lb/ft  
 J-55 EYE BRD KCTS  
 fluorolined tubing* →

1974 CSG LEAK 3552-3578'  
 SQZD W/50 SX

*Guiberson G-6 Packer  
 at 5300'* →

7-93 SL PBTD 5321'  
 PBTD 5445'  
 CMT 5445-5482'  
 HYDROMITE ON BP 5482'  
 BAKER MDL N BP 5488'  
 TOP OF JUNK IN HOLE 5527'  
 4' PS, SN, 8' OF TBG ABOVE  
 BAKER AC PKR  
 ORIG PBTD 1958 5554'  
 TD 5570'

1958 5.5" PERFS 4 SPF;  
 5395-5424' 5428-30' 5437-43'  
 5505-18' 5520-26' 5529-37'

4" LINER PERFS 4 SPF;  
 5396-5404' 5405-08' 5410-16'  
 5417-24'

1989 4" FL4S LINER 5482'  
 414 SX

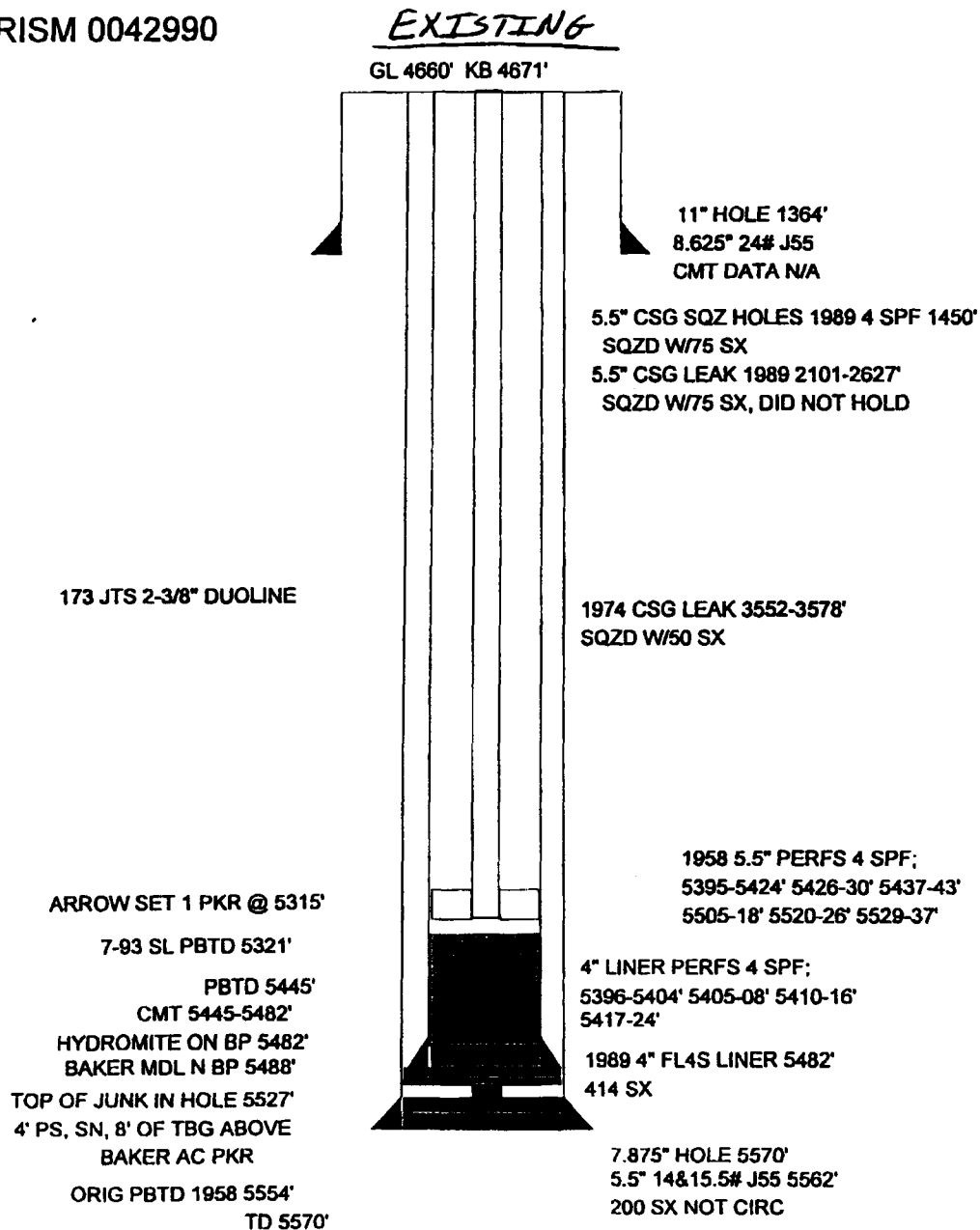
7.875" HOLE 5570'  
 5.5" 14&15.5# J55 5562'  
 200 SX NOT CIRC

TOM COCHRANE 10-14-93

RATHERFORD UNIT 24-31  
 GREATER ANETH FIELD  
 NWNE SEC 12 T41S R23E  
 SAN JUAN COUNTY, UTAH  
 API 43-037-15862  
 PRISM 0042990

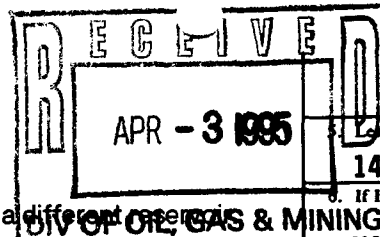
WIW

3-1-94 634 BWPD



TOM COCHRANE 10-14-93

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993  
Designation and Serial No.  
**14-20-603-247A**  
If Indian, Allottee or Tribe Name

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different operation.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other **INJECTION**

2. Name of Operator **Mobil Exploration & Producing U.S. Inc.  
as Agent for Mobil Producing TX & NM Inc.**

3. Address and Telephone No.

**P.O. Box 633, Midland, TX 79702 (915) 688-2585**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**560' FNL, 1830 FEL  
SEC. 24, T41S, R24E  
23E**

7. If Unit or CA, Agreement Designation  
**RATHERFORD UNIT**

8. Well Name and No.

**RATHERFORD 24-31**

9. API Well No.

**43-037-15862**

10. Field and Pool, or exploratory Area

**GREATER ANETH**

11. County or Parish, State

**SAN JUAN UT**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **WORKOVER**  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

3-16-95 MIRU. BLEED OFF CSG, R/U FLOWLINE FROM TBG TO FRAC TANK.  
3-17-95 N/D WELLHEAD, N/U BOP. RELEASE 4" ARROW SET PKR & POOH W/ 173 JTS 2 3/8 TBG. TIH W/ BIT & SCRAPER TO PBTD @ 5445'.  
3-18-95 POOH W/ BIT & SCRAPER. TIH W/ 4" PKR, SET @ 5310' TEST CSG TO 1000#. POOH W/ PKR & L/D TBG.  
3-20-95 RIH W/ 2 3/8 TBG.  
3-21-95 PUMP 60 BBLS PKR FLUID. SET PKR @ 5288', N/D BOP N/U WELLHEAD, PKR SET W/ 15M COMP. TEST BACK SIDE TO 1000#. OK. RD MO.

14. I hereby certify that the foregoing is true and correct

Signed Shuley Robinson Title **ENV & REG TECHNICIAN** Date **3-29-95**

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date Tax Credit  
Conditions of approval, if any: 4/5/95

STATE OF UTAH  
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
✓MEPNA (MOBIL	43-037-15506	L-21	41S	25E	18	INJW	Y
✓MEPNA (MOBIL	43-037-16358	K-24	41S	25E	18	INJW	Y
✓MEPNA (MOBIL	43-037-30400	K-22X	41S	25E	18	INJI	Y
✓MEPNA (MOBIL	43-037-15499	J-21	41S	25E	18	INJW	Y
✓MEPNA (MOBIL	43-037-15508	L-25	41S	25E	19	INJW	Y
✓MEPNA (MOBIL	43-037-15839	1W24	41S	23E	1	INJW	Y
✓MEPNA (MOBIL	43-037-15838	1W13	41S	23E	1	INJW	Y
✓MEPNA (MOBIL	43-037-16386	2W44	41S	23E	2	INJW	Y
✓MEPNA (MOBIL	43-037-15842	11W44	41S	23E	11	INJW	Y
✓MEPNA (MOBIL	43-037-15841	11W42	41S	23E	11	INJW	Y
✓MEPNA (MOBIL	43-037-15848	12W33	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15850	12W42	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15847	12W31	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-16404	12W13	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15845	12W22	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15843	12W11	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-31151	12W24	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-31543	RATERFORD 12	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15854	13W31	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-15851	13W13	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-15857	13W42	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-16407	13W44	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-15855	13W33	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-31152	13W11	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-15852	13W22	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-15853	13W24	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-16410	14W43	41S	23E	14	INJI	Y
✓MEPNA (MOBIL	43-037-15860	14W43	41S	23E	14	INJW	Y
✓MEPNA (MOBIL	43-037-15863	24W42	41S	23E	24	INJW	Y
✓MEPNA (MOBIL	43-037-15862	24W31	41S	23E	24	INJW	Y
✓MEPNA (MOBIL	43-037-15984	6W14	41S	24E	6	INJW	Y
✓MEPNA (MOBIL	43-037-15988	7W32	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15990	7W41	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-16394	7W21	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15985	7W12	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15989	7W34	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15986	7W14	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15987	7W23	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-16395	7W43	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-16396	8W43	41S	24E	8	INJI	Y
✓MEPNA (MOBIL	43-037-15992	8W14	41S	24E	8	INJW	Y
✓MEPNA (MOBIL	43-037-16398	9W23	41S	24E	9	INJW	Y
✓MEPNA (MOBIL	43-037-16400	9W43	41S	24E	9	INJI	Y
✓MEPNA (MOBIL	43-037-16397	9W21	41S	24E	9	INJW	Y
✓MEPNA (MOBIL	43-037-16402	10W23	41S	24E	10	INJW	Y
✓MEPNA (MOBIL	43-037-16401	10W21	41S	24E	10	INJI	Y
✓MEPNA (MOBIL	43-037-16403	10W43	41S	24E	10	INJW	Y
✓MEPNA (MOBIL	43-037-16413	15W43	41S	24E	15	INJI	Y
✓MEPNA (MOBIL	43-037-16411	15W21	41S	24E	15	INJW	Y
✓MEPNA (MOBIL	43-037-16412	15W23	41S	24E	15	INJI	Y
✓MEPNA (MOBIL	43-037-16415	16W43	41S	24E	16	INJW	Y
✓MEPNA (MOBIL	43-037-15720	16W12	41S	24E	16	INJW	Y
✓MEPNA (MOBIL	43-037-15721	16W14	41S	24E	16	INJW	Y

# PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ **Well File** \_\_\_\_\_  
 (Location) Sec \_\_\_\_\_ Twp \_\_\_\_\_ Rng \_\_\_\_\_  
 (API No.) \_\_\_\_\_

☐ **Suspense**  
 (Return Date) \_\_\_\_\_  
 (To - Initials) \_\_\_\_\_

☒ **Other**  
**OPER NM CHG** \_\_\_\_\_

1. Date of Phone Call: 8-3-95 Time: \_\_\_\_\_

2. DOGM Employee (name) L. CORDOVA (Initiated Call ☐)  
 Talked to:

Name R. J. FIRTH (Initiated Call ☒) - Phone No. ( ) \_\_\_\_\_  
 of (Company/Organization) \_\_\_\_\_

3. Topic of Conversation: M E P N A / N7370

4. Highlights of Conversation: \_\_\_\_\_

OPERATOR NAME IS BEING CHANGED FROM M E P N A (MOBIL EXPLORATION AND PRODUCING  
NORTH AMERICA INC) TO MOBIL EXPLOR & PROD. THE NAME CHANGE IS BEING DONE AT  
THIS TIME TO ALLEVIATE CONFUSION, BOTH IN HOUSE AND AMONGST THE GENERAL PUBLIC.

\*SUPERIOR OIL COMPANY MERGED INTO M E P N A 4-24-86 (SEE ATTACHED).

# Mobil Oil Corporation

P.O. BOX 5444  
DENVER, COLORADO 80217-5444

May 14, 1986

Utah Board of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Attn: R. J. Firth  
Associate Director

RECEIVED  
MAY 16 1986

DIVISION OF  
OIL, GAS & MINING

## SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

On September 20, 1984, The Superior Oil Company (Superior) became a wholly owned subsidiary of Mobil Corporation. Since January 1, 1985, Mobil Oil Corporation (MOC), another wholly owned subsidiary of Mobil Corporation, has acted as agent for Superior and has operated the Superior-owned properties.

On April 24, 1986, Superior was merged with Mobil Exploration and Producing North America Inc. (MEPNA), which is also a wholly owned subsidiary of Mobil Corporation. MEPNA is the surviving company of the merger.

This letter is to advise you that all properties held in the name of Superior will now be held in the name of MEPNA; and that these properties will continue to be operated by MOC as agent for MEPNA.

Attached is a listing of all wells and a separate listing of injection-disposal wells, Designation of Agent and an organization chart illustrating the relationships of the various companies. If you have any questions or require additional documentation of this merger, please feel free to contact me at the above address or (303) 298-2577.

Very truly yours,



CNE/rd  
CNE8661

R. D. Baker  
Environmental Regulatory Manager

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☐ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ☒ Operator Name Change Only

Routing:	
1-LEC	7-PL
2-LWP	8-SJ
3-DBF	9-FILE
4-VLC	
5-RJF	
6-LWP	

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-2-95)

TO (new operator) **MOBIL EXPLOR & PROD**  
 (address) **C/O MOBIL OIL CORP**  
**PO DRAWER G**  
**CORTEZ CO 81321**  
 phone (303) **564-5212**  
 account no. **N7370**

FROM (former operator) **M E P N A**  
 (address) **C/O MOBIL OIL CORP**  
**PO DRAWER G**  
**CORTEZ CO 81321**  
 phone (303) **564-5212**  
 account no. **N7370**

Well(s) (attach additional page if needed):

Name: <b>** SEE ATTACHED **</b>	API: <u>037-15862</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- N/A 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Lee 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (8-3-95)
- LWP 6. Cardex file has been updated for each well listed above. 8-21-95
- LWP 7. Well file labels have been updated for each well listed above. 9-28-95
- Lee 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (8-3-95)
- Lee 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.



### ENTITY REVIEW

- Lee 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

### BOND VERIFICATION (Fee wells only) *\* No Fee Lease Wells at this time!*

- N/A Lee 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no)     . Today's date                      19    . If yes, division response was made by letter dated                      19    .

### LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A UTS 8/5/95 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated                      19    , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving **State leases**.

### FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: October 4 1995.

### FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

### COMMENTS

950803 LIC F5/Not necessary!

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator **MOBIL PRODUCING TX & NM INC.\***  
**\*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM**

3. Address and Telephone No.

**P.O. Box 633, Midland TX 79702 (915) 688-2585**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SEC. 24, T41S, R24E**  
**(NW/NE) 560' FNL & 1830' FEL**

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

**14-20-603-247A**

6. If Indian, Allottee or Tribe Name

**NAVAJO TRIBAL**

7. If Unit or CA, Agreement Designation

**RATHERFORD UNIT**

8. Well Name and No.

**RATHERFORD 24-W-31**

9. API Well No.

**43-037-15862**

10. Field and Pool, or exploratory Area

**GREATER ANETH**

11. County or Parish, State

**SAN JUAN UT**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

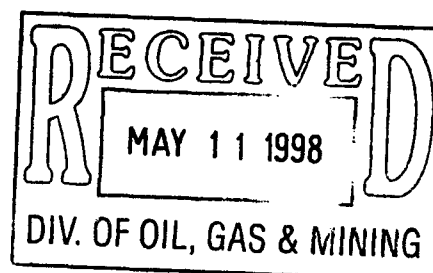
TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **MIT TESTS**  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

SEE ATTACHED MIT AND CHART.



14. I hereby certify that the foregoing is true and correct

Signed

*Shirley Houchins*

Title **SHIRLEY HOUCHINS/ENV & REG TECH**

Date **5-13-98**

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\* See Instruction on Reverse Side

# ANNULAR PRESSURE TEST

(Mechanical Integrity Test)

Operator Mobil E. & P., Inc Date of Test 7-29-97  
Well Name RU # 24W-31 EPA Permit No. \_\_\_\_\_  
Location Sec. 24, T41S-R25E Tribal Lease No. 14-20-603-247A  
State and County San Juan County, UT

Continuous Recorder? YES ☒ NO ☐ Pressure Gauge? YES ☒ NO ☐  
Bradenhead Opened? YES ☐ NO ☒ RUST Fluid Flow? YES ☐ NO ☐

<u>TIME</u>	<u>ANNULUS PRESSURE, psi</u>	<u>TUBING PRESSURE, psi</u>
<u>10:25</u>	<u>1140</u>	<u>500</u>
<u>10:30</u>	<u>1135</u>	<u>500</u>
<u>10:35</u>	<u>1135</u>	<u>500</u>
<u>10:45</u>	<u>1130</u>	<u>500</u>
<u>10:55</u>	<u>1125</u>	<u>500</u>

MAX. INJECTION PRESSURE: \_\_\_\_\_ PSI

MAX. ALLOWABLE PRESSURE CHANGE: \_\_\_\_\_ PSI (TEST PRESSURE X 0.05)

REMARKS: Passed? Failed? If failed, cease injection until well passes MIT (40CFR§144.21(c)(6)).

WELL HAD BEEN S.I. FOR TESTING, PRIOR TO M.I.T.  
PASSED M.I.T.

RICK ANTHUR [Signature] 7-29-97  
COMPANY REPRESENTATIVE: (Print and Sign) DATE  
Melvin Capitan Jr. [Signature] 7-29-97  
INSPECTOR: (Print and Sign) DATE

# U.S. ENVIRONMENTAL PROTECTION AGENCY

## NOTICE OF INSPECTION

Address (EPA Regional Office) Region 9 Environmental Inspection Agency 215 Fremont Street (W-6-2) San Francisco, CA 94105	Inspection Contractor Navajo EPA <del>THE CALUMET GROUP, INC.</del> <del>CORPORATE OFFICE</del> <del>10000 N. 10TH AVE.</del> <del>PHOENIX, AZ 85021</del> <del>TEL: (602) 944-1000</del>	Firm To Be Inspected Mobil E.&P., Inc. P.O. Box Dawer G Cortez, Co 81321
---	---	--

Date <i>7-29-97</i>	Notice of inspection is hereby given according to Section 1445(b) of the Safe Drinking Water Act (42 U.S.C. §300 f et seq.).
Hour <i>8:50 AM</i>	



### Reason For Inspection

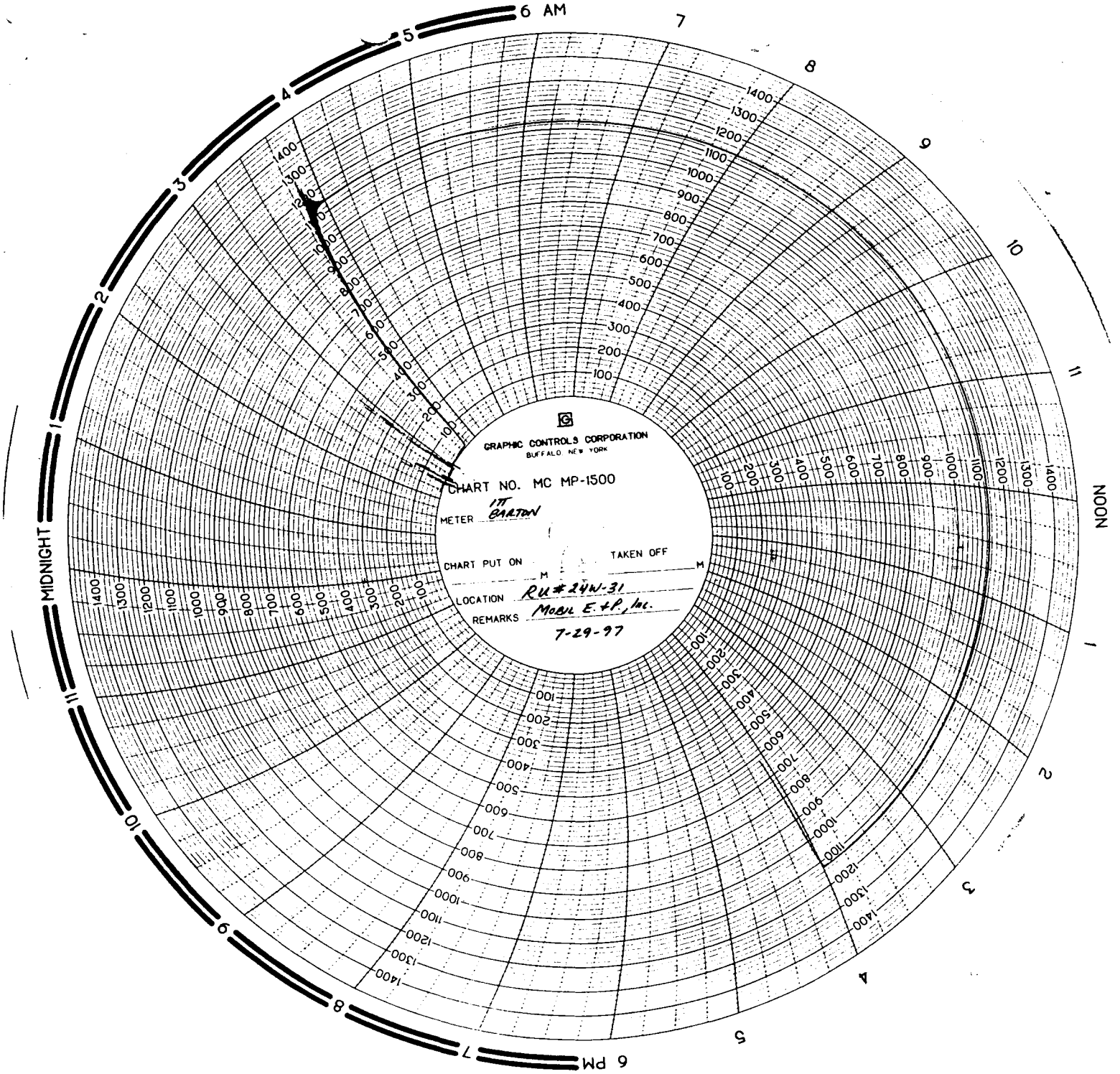
For the purpose of inspecting records, files, papers, processes, controls and facilities, and obtaining samples to determine whether the person subject to an applicable underground injection control program has acted or is acting in compliance with the Safe Drinking Water Act and any applicable permit or rule.

*RU # 24W-42, WATER INJECTION WELL, M.I.T. - PASSED*  
*RU # 24W-31, WATER INJECTION WELL, M.I.T. - PASSED*  
*RU # 13W-44, WATER INJECTION WELL, M.I.T. - PASSED*  
*RU # 13W-24, WATER INJECTION WELL, M.I.T. - PASSED*  
*RU # 13W-31, WATER INJECTION WELL, M.I.T. - PASSED*  
*RU # 13W-42, WATER INJECTION WELL, M.I.T. - PASSED*

Section 1445(b) of the SDWA (42 U.S.C. §300 j-4 (b) is quoted on the reverse of this form.

Receipt of this Notice of Inspection is hereby acknowledged.

Firm Representative 	Date <i>7-29-97</i>	Inspector 
---	------------------------	--



GRAPHIC CONTROLS CORPORATION  
BUFFALO, NEW YORK

CHART NO. MC MP-1500

METER *ITT CARTON*

CHART PUT ON *M* TAKEN OFF *M*

LOCATION *RU#24W-31*

REMARKS *MOBIL E+P, Inc.*  
*7-29-97*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an  
Abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Lease Serial No. See Attached Listing
2. Name of Operator Mobil Producing TX & NM Inc* *Mobil Exploration & Producing US Inc as agent for MPTM		6. If Indian, Allottee or Tribe Name NAVAJO TRIBAL
3a. Address P.O. Box 4358, Houston, TX 77210-4358	3b. Phone No. (include area code) 713-431-1022	7. If Unit or CA/Agreement, Name and/or No. Ratherford Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) See Attached Listing		8. Well Name and No. See Attached Listing
		9. API Well No. See Attached Listing
		10. Field and Pool, or Exploratory Area Greater Aneth
		11. County or Parish, State San Juan, UTAH

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection)

Mobil Exploration & Producing US Inc. as agent for Mobil Producing Texas & New Mexico Inc. & Mobil Exploration & Producing North America Inc. requests authorization to pull the injection equipment, change out the wellheads and return the wells to injection. We plan to replace the 2,000 psi wellheads with 5,000 psi wellheads.

See Attached Listing of Wells.

RECEIVED

SEP 14 2000

DIVISION OF  
OIL, GAS AND MINING

COPY SENT TO OPERATOR  
Date: 9-19-00  
Initials: CDD

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Mark Del Pico	Title Regulatory Specialist
Signature <i>Mark Del Pico</i>	Date 9/12/00

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By	Title
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office
	DATE: 9-18-00 RJK

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Federal Approval Of This  
Action Is Necessary

Attached Listing of Ratherford Wells

Well Name Number	API Number	Federal Lease #	Sec T R	Location
Ratherford 7-W-34	43-037-15989	14-20-603-368	07 - T41S - R24E	710 FSL / 2003 FEL
Ratherford 11-W-42	43-037-15841	14-20-603-246	11 - T41S - R23E	3290 FLS / 4617 FWL
Ratherford 12-W-11	43-037-15843	14-20-603-246A	12 - T41S - R23E	678 FNL / 4620FEL
Ratherford 13-W-22	43-037-15852	14-20-603-247A	13 - T41S - R23E	1988 FNL / 3300 FEL
Ratherford 13-W-31	43-037-15854	14-20-603-247A	13 - T41S - R23E	660 FNL / 1980 FEL
Ratherford 16-W-42	43-037-15720	14-20-603-355	16 - T41S - R24E	1880 FNL / 660 FWL
Ratherford 20-W-21	43-037-16423	14-20-603-353	20 - T41S - R 24E	600 FNL / 1880 FWL
Ratherford 24-W-31	43-037-15862	14-20-603-247A	24 - T41S - R23E	560 FNL / 1830 FEL
Ratherford 29-W-21	43-037-16432	14-20-603-407	29 - T41S - R24E	662 FNL / 2122 FWL

RECEIVED

SEP 14 2000

DIVISION OF  
OIL, GAS AND MINING

---

## **SUB SURFACE MAINTENANCE PROGRAM**

**WELL NO : Ratherford 24-W-31 / API # 43-037-15862**

**SEC 24-T41S-R23E**

**San Juan County, Utah**

---

**To pull injection equipment, change out wellhead, and return well to injection.**

**This well work is being done because there has been a process step change in injection pressure. It appears that over the injection life of this well, the injection pressure has increased from 2000psi to 3000psi. For this reason, the wellhead needs to be upgraded to handle the additional pressure increase and reduce the possibility of a pressure release (SHE hazard) at the surface.**

### **GENERAL PROCEDURES**

- (1) Prior to MIRU PU, MIRU perf company and perforate tbg at approximately 5251'. Circ calculated kill fluid down the casing and up the tbg to establish well control.  
*Note – The well may already have been killed with calculated KWM prior to step 1.***
- (2) MIRU PU. Pick up on tbg and LD 1<sup>st</sup> joint. PU compression set pkr (storm valve) and RIH and set in compression. Monitor the well for pressure for a least one hour.**
- (3) Once well control has been re-confirmed, proceed to spear production csg hanger and relieve tension.**
- (4) Proceed to cut off lower csg head and weld on the 5000psi replacement wellhead.**
- (5) NU BOP/Hydрил. Pick up pkr setting joint and left-handed thread and retrieve pkr (storm valve).**
- (6) MIRU Campbell's tbg testers.**
- (7) Release pkr and POOH hydrotesting each joint and LD first joint and SB remaining 2 3/8" Fluorolined and LD any joints that fail 3500psi test.**
- (8) LD 4" x 2 3/8" Guiberson G6 pkr @5288'.**
- (9) RDMO Campbell tbg testers.**
- (10) PU redressed 4" x 2 3/8" Guiberson G6 pkr w/ pump out plug, 4" x 2 3/8" on/off tool w/ profile. RIH w/ 2 3/8" Fluorolined tbg.**
- (11) Set pkr @5288' +/- 10' and test to 1000psi.**
- (12) Release on/off tool, circ. Pkr. Fluid (68bbbls of freshwater w/ 29gal of Baker Petrolite CRW 132F) latch on to pkr.  
*Note – Volume based on a pkr setting depth of 5288' + 10 % of total volume.***

Continued ....



**(13) ND BOP/Hydril, NU WH.**

*Note – Call ahead (at least 48hrs prior to testing) to the Navajo EPA and BLM so that they have time to find a witness for the MIT test if needed once the injection string is run back in. The backside should be tested to 1000psi with no more than a 5% loss in 30minutes if a successful test is to be obtained. The test should be charted and an original copy sent to Ellen Carroll (713-431-1197) in Houston, Tx.*

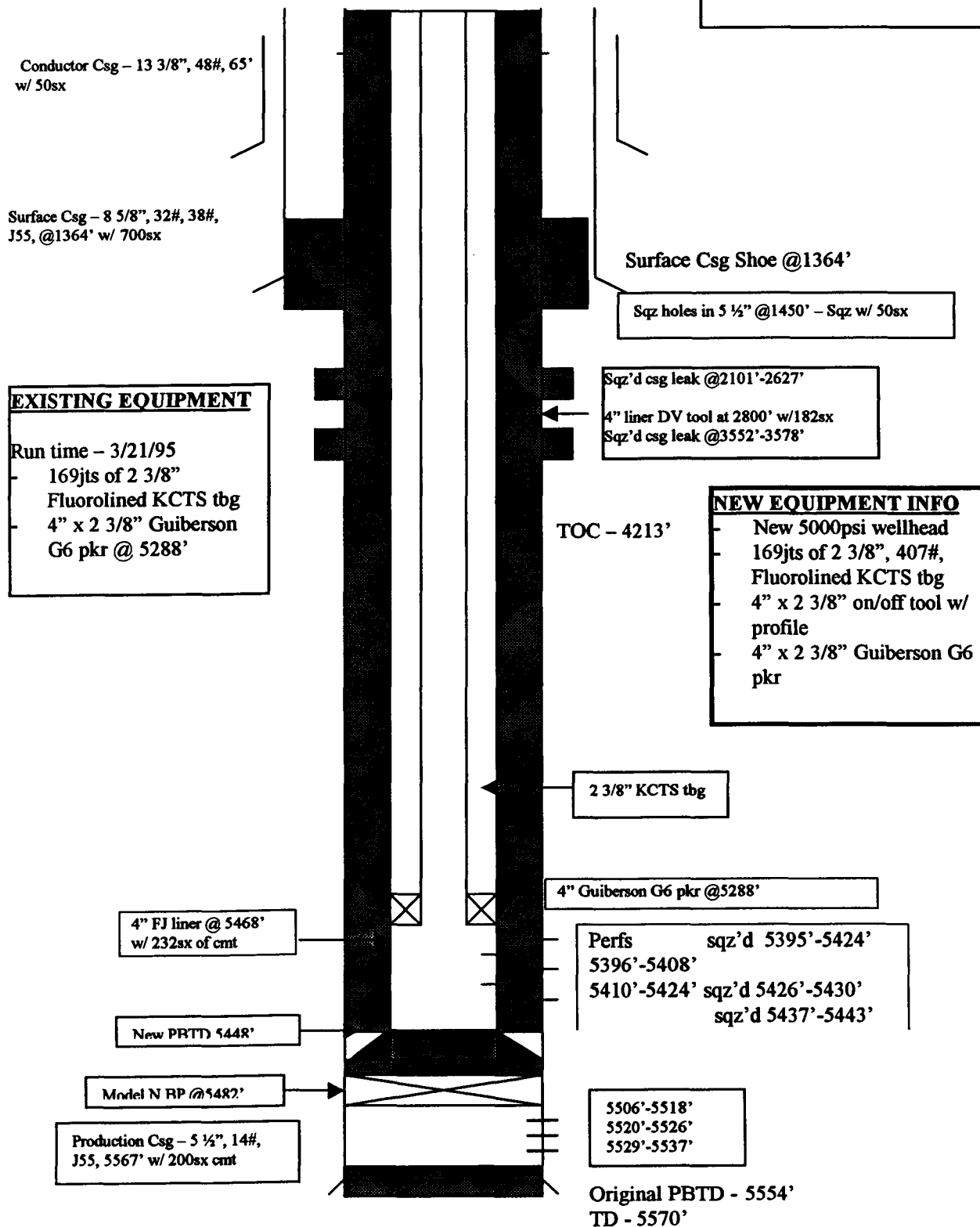
**(14) Test tbg to 1200 psi and pump-out plug.**

**(15) Clean location RDMO PU.**

**atherford 24-W-31**  
**WELL ID**  
**API # 43-037-15862**  
**SEC 24 - T41S - R23E**

**OVERALL OBJECTIVE:**

- (1) To kill well
- (2) Pull equipment & switch out wellhead
- (3) Return well to injection



**EXISTING EQUIPMENT**

Run time - 3/21/95  
 169jts of 2 3/8"  
 Fluorolined KCTS tbg  
 4" x 2 3/8" Guiberson  
 G6 pkr @ 5288'

**NEW EQUIPMENT INFO**

New 5000psi wellhead  
 169jts of 2 3/8", 407#,  
 Fluorolined KCTS tbg  
 4" x 2 3/8" on/off tool w/  
 profile  
 4" x 2 3/8" Guiberson G6  
 pkr

**ExxonMobil Production Comp**  
U.S. West  
P.O. Box 4358  
Houston, Texas 77210-4358

June 27, 2001

**ExxonMobil**  
*Production*

Mr. Jim Thompson  
State of Utah, Division of Oil, Gas and Mining  
1549 West North Temple  
Suite 1210  
Salt Lake City, UT 84114-5801

Change of Name – Mobil Oil Corporation to  
ExxonMobil Oil Corporation

Dear Mr. Thompson

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

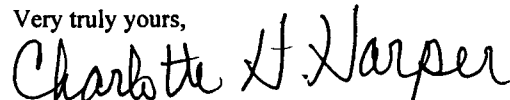
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

A copy of the Certification, Bond Rider and a list of wells are attached.

If you have any questions please feel free to call Joel Talavera at 713-431-1010

Very truly yours,



Charlotte H. Harper  
Permitting Supervisor

ExxonMobil Production Company  
a division of Exxon Mobil Corporation,  
acting for ExxonMobil Oil Corporation

RECEIVED

JUN 29 2001

DIVISION OF  
OIL, GAS AND MINING



IN REPLY REFER TO:

# United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

NAVAJO REGION

P.O. Box 1060  
Gallup, New Mexico 87305-1060

AUG 30 2001

RRES/543

## CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Charlotte H. Harper, Permitting Supervisor  
Exxon Mobil Production Company  
U. S. West  
P. O. Box 4358  
Houston, TX 77210-4358

Dear Ms. Harper:

This is to acknowledge receipt of your company's name change from Mobil Oil Corporation to ExxonMobil Oil Corporation effective June 1, 2001. The receipt of documents includes the Name Change Certification, current listing of Officers and Directors, Listing of Leases, Financial Statement, filing fees of \$75.00 and a copy of the Rider for Bond Number 8027 31 97. There are no other changes.

Please note that we will provide copies of these documents to other concerned parties. If you need further assistance, you may contact Ms. Bertha Spencer, Realty Specialist, at (928) 871-5938.

Sincerely,

DENNETSONE

Regional Realty Officer

cc: BLM, Farmington Field Office w/enclosures ✓  
Navajo Nation Minerals Office, Attn: Mr. Akhtar Zaman, Director/w enclosures

MINERAL RESOURCES	
ADM	<i>DB/MC</i>
NATV AMIN COORD	
SOLID MIN TEAM	
PETRO MIN TEAM	<i>2</i>
O & G INSPECT TEAM	
ALL TEAM LEADERS	
LAND RESOURCES	
ENVIRONMENT	
FILES	

**ExxonMobil Production Company**  
U.S. West  
P.O. Box 4358  
Houston, Texas 77210-4358

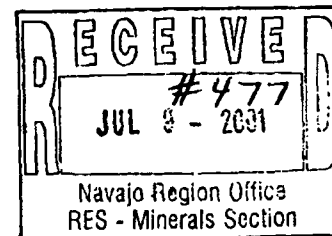
*pbx 7/12/01*  
*JD*  
*543*  
*File*

June 27, 2001

Certified Mail  
Return Receipt Requested

Ms. Genni Denetsone  
United States Department of the Interior  
Bureau of Indian Affairs, Navajo Region  
Real Estate Services  
P. O. Box 1060  
Gallup, New Mexico 87305-1060  
Mail Code 543

**ExxonMobil**  
Production



Change of Name -  
Mobil Oil Corporation to  
ExxonMobil Oil Corporation

Dear Ms. Denetsone:

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

Attached is the Name Change Certification, Current listing of Officers and Directors, Filing Fee of \$75/-. Listing of Leases, Financial Statement and a copy of the Rider for Bond number 8027 31 97. The original Bond Rider has been sent to Ms. Barbar Davis at your Washington Office.

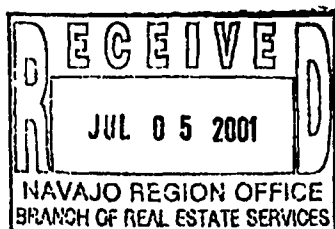
If you have any questions, please contact Alex Correa at (713) 431-1012.

Very truly yours,

*Charlotte H. Harper*

Charlotte H. Harper  
Permitting Supervisor

Attachments



ExxonMobil Production Company  
a division of Exxon Mobil Corporation,  
acting for ExxonMobil Oil Corporation

*NOTE: Check forwarded to Ella Isaac*

Bureau of Indian Affairs  
Navajo Region Office  
Attn: RRES - Mineral and Mining Section  
P.O. Box 1060  
Gallup, New Mexico 87305-1060

Gentlemen:

The current listing of officers and director of ExxonMobil Oil Corporation (Name of Corporation), of New York (State) is as follows:

#### OFFICERS

President	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Vice President	<u>K.T. Koonce</u>	Address <u>800 Bell Street Houston, TX 77002</u>
Secretary	<u>F.L. Reid</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Treasure	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>

#### DIRECTORS

Name	<u>D.D. Humphreys</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>P.A. Hanson</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>T.P. Townsend</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>


Sincerely,



Alex Correa

This is to certify that the above information pertaining to ExxonMobil Oil Corporation (Corporation) is true and correct as evidenced by the records and accounts covering business for the State of Utah and in the custody of Corporation Service Company (Agent), Phone: 1 (800) 927-9800 whose business address is One Utah Center, 201 South Main Street, Salt Lake City, Utah 84111-2218



  
Signature  
AGENT AND ATTORNEY IN FACT  
Title

SAL

**CERTIFICATION**

I, the undersigned Assistant Secretary of ExxonMobil Oil Corporation. (formerly Mobil Oil Corporation), a corporation organized and existing under the laws of the State of New York, United States of America, DO HEREBY CERTIFY, That, the following is a true and exact copy of the resolutions adopted by the Board of Directors on May 22, 2001:

**CHANGE OF COMPANY NAME**

WHEREAS, the undersigned Directors of the Corporation deem it to be in the best interest of the Corporation to amend the Certificate of Incorporation of the Corporation to change the name and principal office of the Corporation:

NOW THEREFORE BE IT RESOLVED, That Article 1st relating to the corporate name is hereby amended to read as follows:

"1st The corporate name of said Company shall be,

ExxonMobil Oil Corporation",

FURTHER RESOLVED, That the amendment of the Corporation's Certificate of Incorporation referred to in the preceding resolutions be submitted to the sole shareholder of the Corporation entitled to vote thereon for its approval and, if such shareholder gives its written consent, pursuant to Section 803 of the Business Corporation Law of the State of New York, approving such amendment, the proper officers of the Corporation be, and they hereby are, authorized to execute in the name of the Corporation the Certificate of Amendment of Certificate of Incorporation, in the form attached hereto;

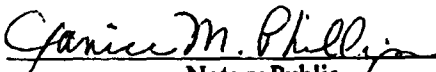
FURTHER RESOLVED, That the proper officers of the Corporation be and they hereby are authorized and directed to deliver, file and record in its behalf, the Certificate of Amendment of Certificate of Incorporation, and to take such action as may be deemed necessary or advisable to confirm and make effective in all respects the change of this Company's name to EXXONMOBIL OIL CORPORATION.

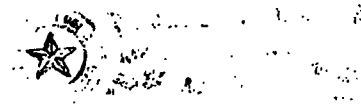
WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.

  
Assistant Secretary

COUNTY OF DALLAS                    )  
STATE OF TEXAS                    )  
UNITED STATES OF AMERICA        )

Sworn to and subscribed before me at Irving, Texas, U. S. A. on this the 8th day of June, 2001.

  
Notary Public



**LISTING OF LEASES OF MOBIL OIL CORPORATION****Lease Number**

- 1) 14-20-0603-6504
- 2) 14-20-0603-6505
- 3) 14-20-0603-6506
- 4) 14-20-0603-6508
- 5) 14-20-0603-6509
- 6) 14-20-0603-6510
- 7) 14-20-0603-7171
- 8) 14-20-0603-7172A
- 9) 14-20-600-3530
- 10) 14-20-603-359
- 11) 14-20-603-368
- 12) 14-20-603-370
- 13) 14-20-603-370A
- 14) 14-20-603-372
- 15) 14-20-603-372A
- 16) 14-20-603-4495
- 17) 14-20-603-5447
- 18) 14-20-603-5448
- 19) 14-20-603-5449
- 20) 14-20-603-5450
- 21) 14-20-603-5451

6/1/01



**CHUBB GROUP OF INSURANCE COMPANIES**

1400 West Loop South, Suite 1400, Houston, Texas 77027-3301  
Telephone: (713) 297-4600 • Facsimile: (713) 297-4750

*NW Bond*

**FEDERAL INSURANCE COMPANY RIDER**  
to be attached to and form a part of

**BOND NO 8027 31 97**

wherein

**Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc. is**  
named as Principal and

**FEDERAL INSURANCE COMPANY AS SURETY,**

in favor of **United States of America, Department of the Interior**  
**Bureau of Indian Affairs**

in the amount of **\$150,000.00**  
bond date: 11/01/65

**IT IS HEREBY UNDERSTOOD AND AGREED THAT effective June 1, 2001**  
the name of the Principal is changed

**FROM: Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc.**

**TO : ExxonMobil Oil Corporation**

All other terms and conditions of this Bond are unchanged.

Signed, sealed and dated this 12<sup>th</sup> of June, 2001.

**ExxonMobil Oil Corporation**

By: 

**FEDERAL INSURANCE COMPANY**

By: 

Mary Pierson, Attorney-in-fact

**Chubb  
Surety****POWER  
OF  
ATTORNEY****Federal Insurance Company  
Vigilant Insurance Company  
Pacific Indemnity Company****Attn.: Surety Department  
15 Mountain View Road  
Warren, NJ 07059**

Know All by These Presents, That **FEDERAL INSURANCE COMPANY**, an Indiana corporation, **VIGILANT INSURANCE COMPANY**, a New York corporation, and **PACIFIC INDEMNITY COMPANY**, a Wisconsin corporation, do each hereby constitute and appoint

R.F. Bobo,

Mary Pierson, Philana Berros, and Jody E. Specht of Houston, Texas-----

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY** have each executed and attested these presents and affixed their corporate seals on this 10th day of May, 2001.

  
Kenneth C. Wendel, Assistant Secretary

  
Frank E. Robertson, Vice President

STATE OF NEW JERSEY } ss.  
County of Somerset


On this 10th day of May, 2001, before me, a Notary Public of New Jersey, personally came Kenneth C. Wendel, to me known to be Assistant Secretary of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY**, the companies which executed the foregoing Power of Attorney, and the said Kenneth C. Wendel being by me duly sworn, did depose and say that he is Assistant Secretary of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY** and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By-Laws of said Companies; and that he signed said Power of Attorney as Assistant Secretary of said Companies by like authority; and that he is acquainted with Frank E. Robertson, and knows him to be Vice President of said Companies; and that the signature of Frank E. Robertson, subscribed to said Power of Attorney is in the genuine handwriting of Frank E. Robertson, and was thereto subscribed by authority of said Companies in the deponent's presence.



Notary Public State of New Jersey

No. 2231647

Commission Expires Oct. 28, 2004

  
Notary Public

Extract from the By-Laws of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY**:

"All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, Kenneth C. Wendel, Assistant Secretary of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY** (the "Companies") do hereby certify that

- (i) the foregoing extract of the By-Laws of the Companies is true and correct,
- (ii) the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U. S. Treasury Department; further, Federal and Vigilant are licensed in Puerto Rico and the U. S. Virgin Islands, and Federal is licensed in American Samoa, Guam, and each of the Provinces of Canada except Prince Edward Island; and
- (iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this 12th day of June, 2001.



  
Kenneth C. Wendel, Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY  
Telephone (908) 903-3485 Fax (908) 903-3656 e-mail: surety@chubb.com

CSC

5184334741

06/01 '01 08:46 NO.410 03/05

CSC

06/01 '01 09:06 NO.135 02/04

F010601000187

**CERTIFICATE OF AMENDMENT  
OF  
CERTIFICATE OF INCORPORATION  
OF  
MOBIL OIL CORPORATION**

CSC 45

(Under Section 805 of the Business Corporation Law)

Pursuant to the provisions of Section 805 of the Business Corporation Law, the undersigned President and Secretary, respectively, of Mobil Oil Corporation hereby certify:

**FIRST:** That the name of the corporation is MOBIL OIL CORPORATION and that said corporation was incorporated under the name of Standard Oil Company of New York.

**SECOND:** That the Certificate of Incorporation of the corporation was filed by the Department of State, Albany, New York, on the 10th day of August, 1882.

**THIRD:** That the amendments to the Certificate of Incorporation effected by this Certificate are as follows:

(a) Article 1st of the Certificate of Incorporation, relating to the corporate name, is hereby amended to read as follows:

"1st The corporate name of said Company shall be,  
ExxonMobil Oil Corporation",

(b) Article 7th of the Certificate of Incorporation, relating to the office of the corporation is hereby amended to read as follows:

The office of the corporation within the State of New York is to be located in the County of Albany. The Company shall have offices at such other places as the Board of Directors may from time to time determine.

CSC  
CSC

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06/01 '01 08:47 NO.410 04/05  
06/01 '01 09:06 NO.133 03/04

FOURTH: That the amendments to the Certificate of Incorporation were authorized by the Board of Directors followed by the holder of all outstanding shares entitled to vote on amendments to the Certificate of Incorporation by written consent of the sole shareholder dated May 22, 2001.

IN WITNESS WHEREOF, this Certificate has been signed this 22nd Day of May, 2001.

  
F. A. Risch, President

STATE OF TEXAS       )  
COUNTY OF DALLAS    )

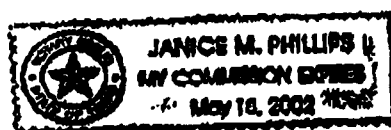
F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.

  
F. L. REID, Secretary

SUBSCRIBED AND SWORN TO before me, the undersigned authority, on this the 22nd day of May, 2001.

[SEAL]

  
NOTARY PUBLIC, STATE OF TEXAS



=&gt; CSC

.TEL=5184334741

06/01'01 08:19

CSC  
CSC

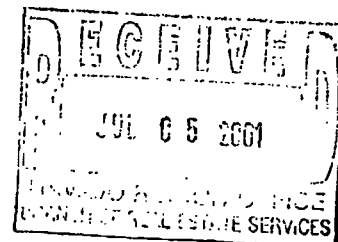
5184334741

06/01 '01 09:01 NO. 411 02/02  
06/01 '01 09:06 NO. 152 04/04  
**F010601000187****CSC 45****CERTIFICATE OF AMENDMENT****OF****MOBIL OIL CORPORATION**

Under Section 805 of the Business Corporation Law

*SAC***100 cc**  
**STATE OF NEW YORK  
DEPARTMENT OF STATE**Filed by: EXXONMOBIL CORPORATION  
(Name)**FILED JUN 01 2001**5959 Las Colinas Blvd.  
(Mailing address)

TAX \$

BY: *SAC*Irving, TX 75039-2298  
(City, State and Zip code)*ny Albany**Cust Ref # 165578 MPJ***010601000195**

=&gt; CSC

, TEL=5184334741

06/01 '01 08:19

*State of New York     }*  
*Department of State }* ss:

*I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.*

*Witness my hand and seal of the Department of State on* **JUN 01 2001**



A handwritten signature in black ink, appearing to read "J. H. ...", followed by a long horizontal line.

*Special Deputy Secretary of State*

**OPERATOR CHANGE WORKSHEET****ROUTING**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent

**X Operator Name Change**

Merger

The operator of the well(s) listed below has changed, effective: **06-01-2001**

<b>FROM: (Old Operator):</b>	<b>TO: ( New Operator):</b>
MOBIL EXPLORATION & PRODUCTION	EXXONMOBIL OIL CORPORATION
Address: P O BOX DRAWER "G"	Address: U S WEST P O BOX 4358
CORTEZ, CO 81321	HOUSTON, TX 77210-4358
Phone: 1-(970)-564-5212	Phone: 1-(713)-431-1010
Account No. N7370	Account No. N1855

CA No.

Unit:

**RATHERFORD****WELL(S)**

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
RATHERFORD 14-W-42	14-41S-23E	43-037-15860	6280	INDIAN	WI	A
RATHERFORD UNIT 14-31	14-41S-23E	43-037-31717	6280	INDIAN	WI	A
24-31	24-41S-23E	43-037-15862	6280	INDIAN	WI	A
24-42	24-41S-23E	43-037-15863	6280	INDIAN	WI	A
6-14	06-41S-24E	43-037-15984	6280	INDIAN	WI	A
7-12	07-41S-24E	43-037-15985	6280	INDIAN	WI	A
7-14	07-41S-24E	43-037-15986	6280	INDIAN	WI	A
7-34	07-41S-24E	43-037-15989	6280	INDIAN	WI	A
NAVAJO B41-7 (RATHERFORD 7-41)	07-41S-24E	43-037-15990	99990	INDIAN	WI	A
8-14	08-41S-24E	43-037-15992	6280	INDIAN	WI	A
RATHERFORD 8W43	08-41S-24E	43-037-16396	99996	INDIAN	WI	A
NAVAJO B-5 (RATHERFORD 9-43)	09-41S-24E	43-037-16400	99990	INDIAN	WI	I
NAVAJO B-6 (RATHERFORD 10W21)	10-41S-24E	43-037-16401	99990	INDIAN	WI	I
NAVAJO B-2 (RATHERFORD 10W23)	10-41S-24E	43-037-16402	99990	INDIAN	WI	I
NAVAJO W-2 (RATHERFORD 10W43)	10-41S-24E	43-037-16403	99990	INDIAN	WI	I
NAVAJO A-11 (RATHERFORD 15W21)	15-41S-24E	43-037-16411	99990	INDIAN	WI	I
NAVAJO A-19 (RATHERFORD 15W23)	15-41S-24E	43-037-16412	99990	INDIAN	WI	I
NAVAJO A-24 (RATHERFORD 15W43)	15-41S-24E	43-037-16413	99990	INDIAN	WI	I
16-12	16-41S-24E	43-037-15720	6280	INDIAN	WI	A
16-14	16-41S-24E	43-037-15721	6280	INDIAN	WI	A

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/29/2001
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/29/2001
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 04/09/2002
- Is the new operator registered in the State of Utah: YES Business Number: 579865-0143
- If **NO**, the operator was contacted on: N/A

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BIA-06/01/01

7. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 06/01/2001

8. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

**NOTE: EPA ISSUES UIC PERMIT**

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 04/10/2002
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 04/10/2002
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

**STATE WELL(S) BOND VERIFICATION:**

1. State well(s) covered by Bond Number: N/A

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: N/A

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 80273197

**FEE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

**COMMENTS:**



Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. DJJ  
 2. CDW

**X Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:		<b>6/1/2006</b>
<b>FROM: (Old Operator):</b> N1855-ExxonMobil Oil Corporation PO Box 4358 Houston, TX 77210-4358 Phone: 1 (281) 654-1936		
<b>TO: ( New Operator):</b> N2700-Resolute Natural Resources Company 1675 Broadway, Suite 1950 Denver, CO 80202 Phone: 1 (303) 534-4600		
<b>CA No.</b>	<b>Unit:</b>	<b>RATHERFORD (UIC)</b>

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/21/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/24/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/7/2006
- Is the new operator registered in the State of Utah: YES Business Number: 5733505-0143
- If **NO**, the operator was contacted on: \_\_\_\_\_
- (R649-9-2) Waste Management Plan has been received on: requested
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA not yet
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/12/2006

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 6/22/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/22/2006
- Bond information entered in RBDMS on: n/a
- Fee/State wells attached to bond in RBDMS on: n/a
- Injection Projects to new operator in RBDMS on: 6/22/2006
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: n/a
- Indian well(s) covered by Bond Number: PA002769
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a
- The **FORMER** operator has requested a release of liability from their bond on: n/a  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See attached list		API Number Attached
Location of Well		Field or Unit Name Ratherford Unit
Footage: See attached list	County: San Juan	Lease Designation and Number See attached list
QQ, Section, Township, Range:	State: UTAH	

EFFECTIVE DATE OF TRANSFER: 6/1/2006

CURRENT OPERATOR

Company: Exxon Mobil Oil Corporation Name: \_\_\_\_\_  
Address: PO Box 4358 Signature: \_\_\_\_\_  
city Houston state TX zip 77210-4358 Title: \_\_\_\_\_  
Phone: (281) 654-1936 Date: \_\_\_\_\_  
Comments: Exxon Mobil has submitted a separate, signed copy of UIC Form 5

NEW OPERATOR

Company: Resolute Natural Resources Company Name: Dwight E Mallory  
Address: 1675 Broadway, Suite 1950 Signature: \_\_\_\_\_  
city Denver state CO zip 80202 Title: Regulatory Coordinator  
Phone: (303) 534-4600 Date: 4/20/2006  
Comments: A list of affected UIC wells is attached.  
New bond numbers for these wells are:  
BIA Bond # PA002769 and US EPA Bond # B001252

(This space for State use only)

Transfer approved by: \_\_\_\_\_  
Title: Field Operations Manager

Approval Date: 6/12/06

Comments:

RECEIVED  
APR 24 2006

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Unit Agreement</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: <u>See attached list</u>
2. NAME OF OPERATOR: <u>Resolute Natural Resources Company</u> <u>N2700</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <u>Navajo Tribe</u>
3. ADDRESS OF OPERATOR: <u>1675 Broadway, Suite 1950</u> CITY <u>Denver</u> STATE <u>CO</u> ZIP <u>80202</u>		7. UNIT or CA AGREEMENT NAME: <u>Ratherford Unit</u>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>See attached list</u>		8. WELL NAME and NUMBER: <u>See attached list</u>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <u>                    </u>		9. API NUMBER: <u>Attached</u>
COUNTY: <u>San Juan</u>		10. FIELD AND POOL, OR WILDCAT: <u>Greater Aneth</u>
STATE: <u>UTAH</u>		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 1, 2006 Exxon Mobil Oil Corporation resigns as operator of the Ratherford Unit. Also effective June 1, 2006 Resolute Natural Resources Company is designated as successor operator of the Ratherford Unit.

A list of affected producing and water source wells is attached. A separate of affected injection wells is being submitted with UIC Form 5, Transfer of Authority to Inject.

As of the effective date, bond coverage for the affected wells will transfer to BIA Bond # PA002769.

NAME (PLEASE PRINT) <u>Dwight E Mallory</u>	TITLE <u>Regulatory Coordinator</u>
SIGNATURE <u>[Signature]</u>	DATE <u>4/20/2006</u>

(This space for State use only)

APPROVED 6127106

Earlene Russell

Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

RECEIVED

APR 24 2006

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Injection</u>		5. LEASE DESIGNATION AND SERIAL NUMBER:  
2. NAME OF OPERATOR: ExxonMobil Oil Corporation <u>N1855</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <u>Ship Rock</u>
3. ADDRESS OF OPERATOR: P.O. Box 4358 CITY <u>Houston</u> STATE <u>TX</u> ZIP <u>77210-4358</u>		7. UNIT or CA AGREEMENT NAME: <u>UTU68931A</u>
PHONE NUMBER: <u>(281) 654-1936</u>		8. WELL NAME and NUMBER: <u>Ratherford</u>
4. LOCATION OF WELL FOOTAGES AT SURFACE:  QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER: <u>attached</u>
		10. FIELD AND POOL, OR WILDCAT: <u>Aneth</u>

COUNTY: San Juan

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>6/1/2006</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ExxonMobil Oil Corporation is transferring operatorship of Greater Aneth field, Ratherford lease to Resolute Natural Resources Company. All change of operator notices should be made effective as of 7:00 AM MST on June 1, 2006.

Attached please find a listing of injection wells included in the transfer.

NAME (PLEASE PRINT) <u>Laurie Kilbride</u>	TITLE <u>Permitting Supervisor</u>
SIGNATURE <u>Laurie Kilbride</u>	DATE <u>4/19/2006</u>

(This space for State use only)

**APPROVED** 6/27/06  
Earlene Russell  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician  
(See Instructions on Reverse Side)

**RECEIVED**  
**APR 21 2006**

**GREATER ANETH FIELD UIC WELL LIST**  
**Ratherford lease, San Juan County, Utah**

Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Surface Location							
					Qtr 1	Qtr 2	Sec	TN	RNG	NS Foot	EW Foot	
RATHERFORD UNIT	1W24	430371583900S1	Shut-in	14-20-603-246A	NE	SE	1	41S	23E	0651FSL	3300FEL	
RATHERFORD UNIT	2W44	430371638600S1	Active	14-20-603-246A	SE	SE	2	41S	23E	0810FSL	0510FEL	
RATHERFORD UNIT	11W42	430371584100S1	Active	14-20-603-246A	SE	NE	11	41S	23E	3290FSL	4617FWL	
RATHERFORD UNIT	11W44	430371584200S1	Shut-in	14-20-603-246A	SE	SE	11	41S	23E	0660FSL	0558FEL	
RATHERFORD UNIT	12W11	430371584300S1	Active	14-20-603-246A	NW	NW	12	41S	23E	0678FNL	4620FEL	
RATHERFORD UNIT	12W13	430371640400S1	Active	14-20-603-246A	NW	SW	12	41S	23E	1980FSL	4620FEL	
RATHERFORD UNIT	12W22	430371584501S1	Active	14-20-603-246A	SE	NW	12	41S	23E	1920FNL	2080FWL	
RATHERFORD UNIT	12W24	430373115101S1	Active	14-20-603-246A	SE	SW	12	41S	23E	0775FSL	1980FWL	
RATHERFORD UNIT	12W31	430371584700S1	Active	14-20-603-246A	NW	NE	12	41S	23E	0661FNL	1981FEL	
RATHERFORD UNIT	12W33	430371584800S1	Active	14-20-603-246A	NW	SE	12	41S	23E	1958FSL	3300FEL	
RATHERFORD UNIT	12W42	430371585000S1	Active	14-20-603-246A	SE	NE	12	41S	23E	3275FSL	0662FEL	
RATHERFORD UNIT	12W44A	430373154300S1	Shut-in	14-20-603-246A	SE	SE	12	41S	23E	0772FSL	0807FEL	
RATHERFORD UNIT	13W11	430373115201S1	Active	14-20-603-247A	NW	NW	13	41S	23E	0500FNL	0660FWL	
RATHERFORD UNIT	13W13	430371585100S1	Active	14-20-603-247A	NW	SW	13	41S	23E	1980FSL	4620FEL	
RATHERFORD UNIT	13W22	430371585200S1	Active	14-20-603-247A	SE	NW	13	41S	23E	1988FNL	3300FEL	
RATHERFORD UNIT	13W24	430371585300S1	Active	14-20-603-247A	SE	SW	13	41S	23E	0660FSL	3300FEL	
RATHERFORD UNIT	13W33	430371585501S1	Active	14-20-603-247A	NW	SE	13	41S	23E	1970FSL	1979FEL	
RATHERFORD UNIT	13W42	430371585700S1	Shut-in	14-20-603-247A	SE	NE	13	41S	23E	2139FNL	0585FEL	
RATHERFORD UNIT	13W44	430371640700S1	Active	14-20-603-247A	SE	SE	13	41S	23E	0653FSL	0659FEL	
RATHERFORD UNIT	14-31	430373171700S1	Active	14-20-603-247A	NW	NE	14	41S	23E	0754FNL	1604FEL	
RATHERFORD UNIT	14W42	430371586001S1	Active	14-20-603-247A	SE	NE	14	41S	23E	1976FNL	653FEL	
RATHERFORD UNIT	24W31	430371586200S1	Shut-in	14-20-603-247A	NW	NE	24	41S	24E	0560FNL	1830FEL	
RATHERFORD UNIT	24W42	430371586300S1	Shut-in	14-20-603-247A	SE	NE	24	41S	24E	1980FNL	0660FEL	
RATHERFORD UNIT	17W12	430371572601S1	Active	14-20-603-353	SW	NW	17	41S	24E	1980FNL	510FWL	
RATHERFORD UNIT	17W14	430371572700S1	Active	14-20-603-353	SW	SW	17	41S	24E	0610FSL	0510FWL	
RATHERFORD UNIT	17W21	430371641601S1	Active	14-20-603-353	NE	NW	17	41S	24E	0510FNL	1830FWL	
RATHERFORD UNIT	17W23	430371572801S1	Active	14-20-603-353	NE	SW	17	41S	24E	1880FSL	1980FWL	
RATHERFORD UNIT	17W32	430371572900S1	TA'd	14-20-603-353	SW	NE	17	41S	24E	1830FNL	2030FEL	
RATHERFORD UNIT	17W34	430371573000S1	Active	14-20-603-353	SW	SE	17	41S	24E	0560FSL	1880FEL	
RATHERFORD UNIT	17W41	430371573100S1	Shut-in	14-20-603-353	NE	NE	17	41S	24E	0610FNL	0510FEL	
RATHERFORD UNIT	17W43	430371641701S1	Active	14-20-603-353	NE	SE	17	41S	24E	1980FSL	0660FEL	
RATHERFORD UNIT	18-43B	430373171801S1	Active	14-20-603-353	NE	SE	18	41S	24E	2023FSL	0651FEL	
RATHERFORD UNIT	18W12	430373115301S1	Active	14-20-603-353	SW	NW	18	41S	24E	1980FNL	560FWL	
RATHERFORD UNIT	18W14	430371573501S1	Active	14-20-603-353	SW	SW	18	41S	24E	0810FSL	0600FWL	
RATHERFORD UNIT	18W21	430371641801S1	Active	14-20-603-353	NE	NW	18	41S	24E	660FNL	1882FWL	
RATHERFORD UNIT	18W23	430373024400S1	Shut-in	14-20-603-353	NE	SW	18	41S	24E	2385FSL	2040FWL	
RATHERFORD UNIT	18W32	430371573601S1	Active	14-20-603-353	SW	NE	18	41S	24E	2140FNL	1830FEL	
RATHERFORD UNIT	18W34	430371573701S1	Active	14-20-603-353	SW	SE	18	41S	24E	780FSL	1860FEL	
RATHERFORD UNIT	18W41	430371573800S1	TA'd	14-20-603-353	NE	NE	18	41S	24E	0660FNL	0660FEL	
RATHERFORD UNIT	19-12	430371573901S1	Active	14-20-603-353	SW	NW	19	41S	24E	1980FNL	0600FWL	
RATHERFORD UNIT	19-32	430371574301S1	Active	14-20-603-353	SW	NE	19	41S	24E	2717FNL	2802FEL	
RATHERFORD UNIT	19-34	430371574401S1	Active	14-20-603-353	SW	SE	19	41S	24E	0660FSL	1980FEL	
RATHERFORD UNIT	19W21	430371574100S1	Shut-in	14-20-603-353	NE	NW	19	41S	24E	0660FNL	1860FWL	
RATHERFORD UNIT	19W23	430371574200S1	Shut-in	14-20-603-353	NE	SW	19	41S	24E	2080FSL	1860FWL	
RATHERFORD UNIT	19W43	430371642000S1	Shut-in	14-20-603-353	NE	SE	19	41S	24E	1980FSL	0760FEL	
RATHERFORD UNIT	20-12	430371574601S1	Active	14-20-603-353	SW	NW	20	41S	24E	0709FNL	0748FEL	
RATHERFORD UNIT	20-14	430371574701S1	Active	14-20-603-353	SW	SW	20	41S	24E	0660FSL	0660FWL	
RATHERFORD UNIT	20-32	430371574901S1	Active	14-20-603-353	SW	NE	20	41S	24E	0037FNL	0035FWL	
RATHERFORD UNIT	20-34	430371575001S1	Active	14-20-603-353	SW	SE	20	41S	24E	0774FNL	0617FWL	
RATHERFORD UNIT	20-67	430373159000S1	Active	14-20-603-353	NE	SW	20	41S	24E	2629FSL	1412FWL	
RATHERFORD UNIT	20W21	430371642300S1	Active	14-20-603-353	NE	NW	20	41S	24E	0660FNL	1880FWL	
RATHERFORD UNIT	20W23	430371574800S1	Active	14-20-603-353	NW	SW	20	41S	24E	2080FSL	2120FWL	
RATHERFORD UNIT	20W41	430371575100S1	Active	14-20-603-353	NE	NE	20	41S	24E	0660FNL	0660FEL	
RATHERFORD UNIT	20W43	430371642400S1	TA'd	14-20-603-353	NE	SE	20	41S	24E	2070FSL	0810FEL	
RATHERFORD UNIT	16W12	430371572000S1	Active	14-20-603-355	SW	NW	16	41S	24E	1880FNL	0660FWL	

**GREATER ANETH FIELD UIC WELL LIST**  
**Ratherford lease, San Juan County, Utah**

Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Surface Location						
					Qtr 1	Qtr 2	Sec	TN	RNG	NS Foot	EW Foot
RATHERFORD UNIT	16W14	430371572100S1	Shut-in	14-20-603-355	SW	SW	16	41S	24E	0660FSL	0660FWL
RATHERFORD UNIT	16W21	430371641400S1	Active	14-20-603-355	NE	NW	16	41S	24E	0660FNL	1880FWL
RATHERFORD UNIT	16W23	430371572201S1	Active	14-20-603-355	NE	SW	16	41S	24E	1980FSL	1980FWL
RATHERFORD UNIT	16W43	430371641501S1	Active	14-20-603-355	NE	SE	16	41S	24E	2140FSL	0820FEL
RATHERFORD UNIT	21-14	430371575301S1	Active	14-20-603-355	SW	SW	21	41S	24E	0660FSL	0460FWL
RATHERFORD UNIT	21-67	430373175301S1	Active	14-20-603-355	NE	SW	21	41S	24E	2560FSL	1325FWL
RATHERFORD UNIT	21W21	430371642501S1	Active	14-20-603-355	NE	NW	21	41S	24E	0660FNL	2030FWL
RATHERFORD UNIT	6W14	430371598400S1	Active	14-20-603-368	NE	SE	6	41S	24E	0660FSL	0660FWL
RATHERFORD UNIT	7W12	430371598500S1	Active	14-20-603-368	NE	SE	7	41S	24E	2140FNL	0585FWL
RATHERFORD UNIT	7W14	430371598600S1	Active	14-20-603-368	NE	SE	7	41S	24E	1065FSL	0660FWL
RATHERFORD UNIT	7W21	430371639400S1	Active	14-20-603-368	NE	NW	7	41S	24E	0710FNL	1820FWL
RATHERFORD UNIT	7W34	430371598900S1	Active	14-20-603-368	SW	SE	7	41S	24E	0710FSL	2003FEL
RATHERFORD UNIT	7W43	430371639500S1	Active	14-20-603-368	NE	SE	7	41S	24E	2110FSL	0660FEL
RATHERFORD UNIT	8W14	430371599200S1	Active	14-20-603-368	SW	NE	8	41S	24E	0745FSL	0575FWL
RATHERFORD UNIT	10W43	430371640300S1	TA'd	14-20-603-4037	NE	SE	10	41S	24E	1980FSL	0550FEL
RATHERFORD UNIT	29-12	430371533701S1	Active	14-20-603-407	SW	NW	29	41S	24E	2870FNL	1422FWL
RATHERFORD UNIT	29-32	430371533901S1	Active	14-20-603-407	SW	NE	29	41S	24E	0694FNL	0685FWL
RATHERFORD UNIT	29W21	430371643200S1	Active	14-20-603-407	NE	NW	29	41S	24E	0667FNL	2122FWL
RATHERFORD UNIT	29W41	430371643300S1	Active	14-20-603-407	NE	NE	29	41S	24E	0557FNL	0591FEL
RATHERFORD UNIT	29W43	430371643400S1	Shut-in	14-20-603-407	NE	SE	29	41S	24E	1980FSL	0660FEL
RATHERFORD UNIT	30W41	430371534300S1	Shut-in	14-20-603-407	NE	NE	30	41S	24E	0660FNL	0660FEL
RATHERFORD UNIT	28-12	430371533601S1	Active	14-20-603-409	SW	SE	28	41S	24E	2121FNL	0623FWL
RATHERFORD UNIT	28W21	430371643100S1	Shut-in	14-20-603-409	NE	NW	28	41S	24E	0660FNL	2022FWL
RATHERFORD UNIT	9W23	430371639800S1	Active	14-20-603-5046	NW	SE	9	41S	24E	1980FSL	1980FWL

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-603-247A
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> NAVAJO
<b>2. NAME OF OPERATOR:</b> RESOLUTE NATURAL RESOURCES		<b>7. UNIT or CA AGREEMENT NAME:</b> RATHERFORD
<b>3. ADDRESS OF OPERATOR:</b> 1700 Lincoln Street, Suite 2800 , Denver, CO, 80203 4535		<b>8. WELL NAME and NUMBER:</b> 24-31
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0560 FNL 1830 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 24 Township: 41.0S Range: 23.0E Meridian: S		<b>9. API NUMBER:</b> 43037158620000
<b>PHONE NUMBER:</b> 303 534-4600 Ext		<b>9. FIELD and POOL or WILDCAT:</b> GREATER ANETH
<b>COUNTY:</b> SAN JUAN		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 2/10/2015  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER         </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION         </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  Resolute Natural Resources respectfully submits this sundry as notice of a UIC repair on the above well. Attached are the procedures and schematic		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          February 12, 2015</b>		
<b>NAME (PLEASE PRINT)</b> Erin Joseph	<b>PHONE NUMBER</b> 303 573-4886	<b>TITLE</b> Sr. Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 2/2/2015	



## Resolute Natural Resources

Date: January 30, 2015

RU 24W-31 UIC Repair

### Procedure

Horsley Witten: **NO**

1. MIRU WSU, LOTO. (NOTE: No tbg detail was found, so no attempt to set WL plug will be made.)
2. Pump 10 ppg brine & evaluate kill wt fluid. Kill well.
3. ND WH & NU BOP's. Test BOP's.
4. PU on tbg, unset pkr & TOH w/2-3/8 Fluorolined KCTS tbg & 4" G6 packer. Tubing will be laid down, but call Bill Albert for inspection (tbg & pkr run March 1995). Tbg will be replaced with new 2-3/8 lined tubing\*.
5. RIH w/bit & scraper spaced to keep scraper above top open perf at 5396'; CO to 5445' PBD.
6. Make extra scraper pass thru pkr seat area 5200 - 5275'. POH & LD bit & scraper.
7. RIH w/4" treating packer w/bypass, plus 6 jts (~190') tailpipe to acidize w/1500 gal 20% inhibited HCL.
8. Set pkr at ~5234' KB, w/EOT to ~btm perf at 5424' KB. (Snub in w/plug at pkr if pressure warrants).
9. PT 4" casing & packer to 1000 psi/30 min. Bleed off pressure.
10. Open bypass, circ acid past btm of TP, up to top open perf at 5396'; close bypass, put 750 psi on backside. Soak 15 min.
11. Pump acid away at max rate possible, using 3500 psi max TP. Monitor backside pressure.
12. Overdisplace EOT with 25 bbls fresh water. Record ISIP, 5, 10, and 15 min SI pressures.
13. Backflow if necessary to reduce pressure, re-kill with brine, retrieve the treating packer.
14. Set RBP at ~5250' and at ~300' for wellhead upgrade.
15. Replace wellhead with 3000 psi equipment.
16. Retrieve RBP's at ~5250' and ~300'.
17. RIH w/ new 4" AS-1X packer on 2-3/8 injection tubing\* w/1.43 nipple below pkr, 1.50 'F' profile above pkr but NO ON/OFF TOOL; position the pkr at ~5260' KB/top of packer.
18. Circulate packer fluid. RIH & set 1.43 plug below pkr & set the packer at ~5260' KB/top of pkr. PT tubing to 2500 psi and perform mock MIT on the csg annulus.
19. Space out & land tubing. Perform second mock MIT on csg annulus.
20. ND snubbing unit (if in use) & BOP, NU WH. PT the wellhead. RD WSU.
21. MIRU slickline unit. Test lubricator to 2500 psi.
22. RIH gauge ring, shear and retrieve 1.43 plug. RDMO slickline unit.
23. Schedule witnessed MIT w/NNEPA. Backflow the lateral line.
24. Notify Area Injection Supervisor Pierce Benally (435) 444-9957 that well is ready for reconnect & return to injection.

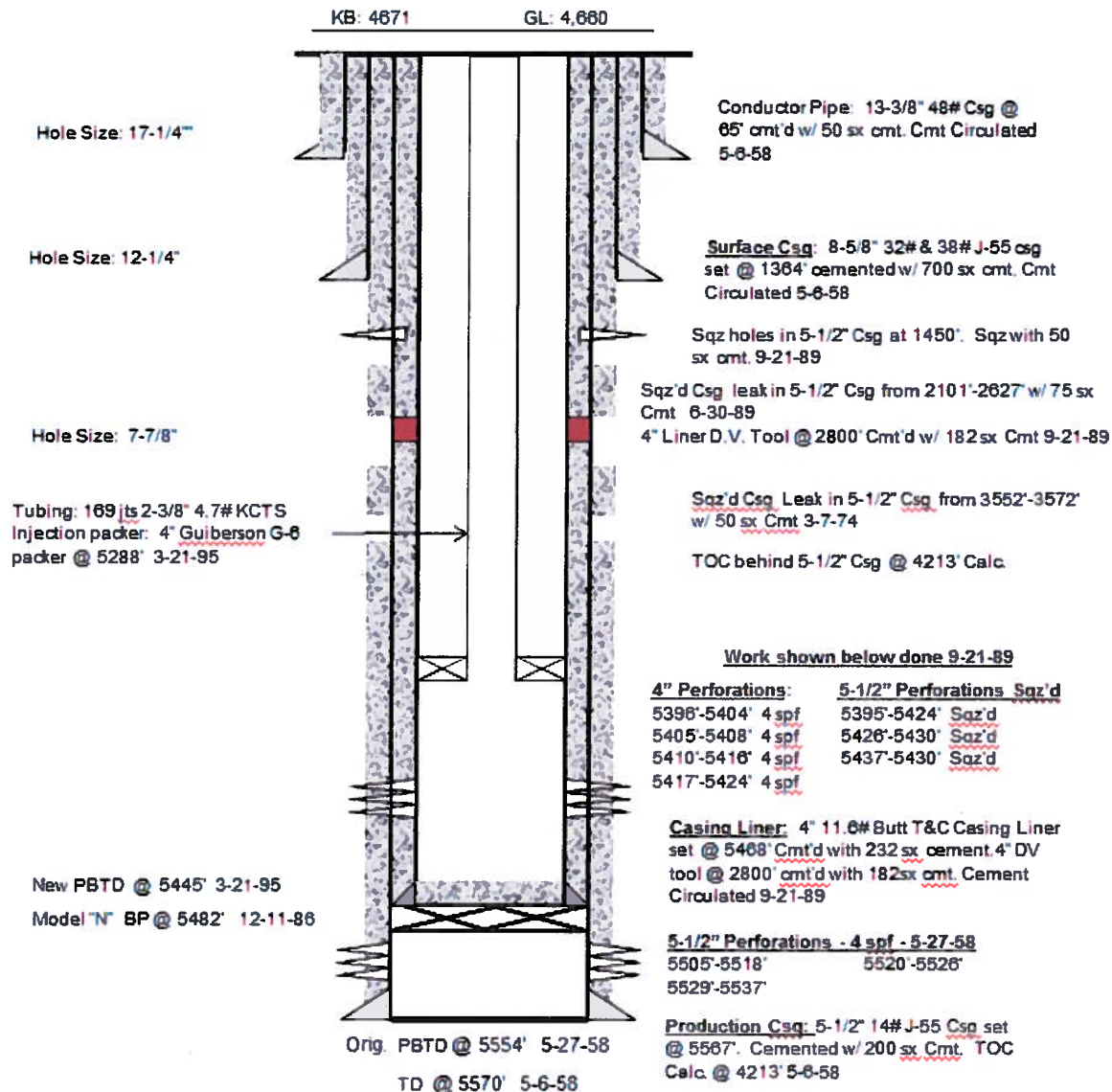
\*Consult Bill Albert or Jim Styler for tbg type to be run back in the well.



# **RATHERFORD UNIT # 24-31** **CURRENT WELLBORE DIAGRAM**

560' FNL & 1830' FEL  
Sec 24-T41S-R23E  
San Juan County, Utah

Greater Aneth Field  
API # 43-037-15862



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-603-247A
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> NAVAJO
<b>2. NAME OF OPERATOR:</b> RESOLUTE NATURAL RESOURCES		<b>7. UNIT or CA AGREEMENT NAME:</b> RATHERFORD
<b>3. ADDRESS OF OPERATOR:</b> 1700 Lincoln Street, Suite 2800 , Denver, CO, 80203 4535		<b>8. WELL NAME and NUMBER:</b> 24-31
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0560 FNL 1830 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 24 Township: 41.0S Range: 23.0E Meridian: S		<b>9. API NUMBER:</b> 43037158620000
<b>PHONE NUMBER:</b> 303 534-4600 Ext		<b>9. FIELD and POOL or WILDCAT:</b> GREATER ANETH
<b>COUNTY:</b> SAN JUAN		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/14/2015	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE WELL NAME	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="UIC Repair"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  Resolute Natural Resources respectfully submits this sundry as notice that the UIC Repair on the above well was completed according to previously approved procedures		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          April 07, 2015</b>		
<b>NAME (PLEASE PRINT)</b> Erin Joseph	<b>PHONE NUMBER</b> 303 573-4886	<b>TITLE</b> Sr. Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/7/2015	